

To: Alsalam, Jameel[Alsalam.Jameel@epa.gov]
From: Ragnauth, Shaun
Sent: Mon 7/28/2014 11:12:40 PM
Subject: Fwd: post 2020 and GWP's

Jameel,

Can you get me the

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Best,
Shaun

Begin forwarded message:

From: "Fawcett, Allen" <Fawcett.Allen@epa.gov>
To: "Ragnauth, Shaun" <Ragnauth.Shaun@epa.gov>, "Alsalam, Jameel" <Alsalam.Jameel@epa.gov>
Subject: post 2020 and GWP's

Hey guys,

Just had a call with Rick Duke. So would you guys be able to do a sensitivity that updates

Ex. 5 - Deliberative

Thanks,
Allen

EPA version
[cid:image001.png@01CFA697.F043EE50]

[cid:image002.png@01CFA697.F043EE50]

DOE version

[cid:image005.png@01CFA697.F043EE50]

[cid:image006.png@01CFA697.F043EE50]

<111(d) and Additional Abatment - Tables and Figures.xlsx>

<Post 2020 - DOE and EPA Power Sector Abatement Estimates 06-12-14 - DOE interaction terms.xlsx>

<Updated Policy Charts - 16Jul2014 bkm.pptx>

<Post-2020 and 111(d) - 06-12-14.pptx>

<Carbon Pollution Standards - 2020 and 2030 06-12-2014 Version 9.docx>

<image001.png>

<image002.png>

<image003.png>

<image004.png>

<image005.png>

<image006.png>

To: Hodson, Elke (FELLOW)[Elke.Hodson@Hq.Doe.Gov]; Gillespie, Christopher W.[CGillespie@energetics.com]
Cc: Alsalam, Jameel[Alsalam.Jameel@epa.gov]
From: Mignone, Bryan
Sent: Thur 7/17/2014 1:59:34 PM
Subject: RE: touch base on post-2020

We have critical mass on our end between me and Chris, so let's proceed.

From: Hodson, Elke (FELLOW)
Sent: Thursday, July 17, 2014 9:52 AM
To: Mignone, Bryan; Gillespie, Christopher W.
Cc: 'Alsalam, Jameel'
Subject: RE: touch base on post-2020

Folks: apologies, but I am not going to make it this morning. It's out of my control. I would ask to reschedule, but getting this many folks to reschedule seems difficult. Will get the readout from Bryan.

Thanks, Elke

-----Original Appointment-----

From: Mignone, Bryan
Sent: Wednesday, July 09, 2014 4:02 PM
To: Mignone, Bryan; Allen Fawcett (fawcett.allen@epa.gov); Hodson, Elke (FELLOW); Gillespie, Christopher W.
Cc: 'Creason, Jared'; 'Alsalam, Jameel'; 'Ragnauth, Shaun'
Subject: touch base on post-2020
When: Thursday, July 17, 2014 10:00 AM-11:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: (b)(6) personal privacy (no passcode)

To: Alsalam, Jameel[Alsalam.Jameel@epa.gov]
Cc: Gillespie, Christopher W.[CGillespie@energetics.com]; Mignone, Bryan[Bryan.Mignone@hq.doe.gov]
From: Hodson, Elke (FELLOW)
Sent: Wed 7/9/2014 6:26:57 PM
Subject: Updated Baseline Projections
Updated Baseline Charts - 9July2014 - DRAFT.pptx
CHP5 Tables CAR6 - 2014 Updates - 24Jun2014.xlsx

Jameel:

We're sending along the updated spreadsheet and ppt with the **Ex. 5 - Deliberative**
Ex. 5 - Deliberative Thanks to
Chris for the updates. I think it's probably best to get on the phone again to walk through the changes and get your feedback.

Would you have time for a call this week? Friday is probably the best on my end.

Chris can chime in with his availability and any items to flag before we get on the phone to discuss.

Best, Elke

To: Friedman, Kristina[Friedman.Kristina@epa.gov]; Kocchi, Suzanne[Kocchi.Suzanne@epa.gov]
Cc: Alsalam, Jameel[Alsalam.Jameel@epa.gov]
From: Fawcett, Allen
Sent: Sat 4/5/2014 12:02:58 AM
Subject: Fw: just making sure you both see this...
[CAR-BR Projections Reductions summary.docx](#)
[Key messages for CAR and General Q A Final Release Interagency Version.docx](#)

Kristina,

Here are the talking points on the CAR/BR that Jameel put together.

Allen



Allen,

Attached are:

- The CAP / BR one-pager that I put together for the last round of this exercise. I think the main points here are still the most salient ones.
- The CAR / BR key messages from the CAR release. These are a bit longer than the one-pager that I put together, and cover more topics.

Within the CAR,

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Best,

Jameel

From: Fawcett, Allen
Sent: Thursday, April 03, 2014 1:46 PM
To: Alsalam, Jameel
Subject: FW: just making sure you both see this...
Importance: High

Jameel,

See the message below from Kristina. Could you pull together a few talking points on the

Ex. 5 - Deliberative

Thanks,
Allen

From: Kocchi, Suzanne
Sent: Thursday, April 03, 2014 1:33 PM
To: Fawcett, Allen; Irving, Bill
Subject: just making sure you both see this...
Importance: High

...since Allen is out tmrw (**Ex. 6 - Privacy**) and Bill is offsite today

From: Friedman, Kristina
Sent: Thursday, April 03, 2014 1:13 PM
To: Irving, Bill; Fawcett, Allen

Cc: Mason, Colleen; Krieger, Jackie; Kocchi, Suzanne

Subject: Background Materials for 4/10 meeting with EU Climate Commissioner Hedegaard

Hi Bill/Allen,

Could you guys help us prepare background information for the Administrator's meeting next week with Commissioner Hedegaard? I've pasted below the email Jackie received from OITA. As you notice below, we've been asked for some high-level information to facilitate the discussion and limited background. It sounds like both of you will have separate information to share on the discussion, Bill: broad/high level comments and Allen: technical information. Could you please send us your information by tomorrow afternoon, so we can compile with the other topics and share with folks in the IO for review before sending to OITA. Let me know if you have any questions.

Thanks,

Kristina

Kristina Friedman

Office of Atmospheric Programs

U.S. Environmental Protection Agency

Phone: (202) 343-9281

From: Krieger, Jackie

Sent: Tuesday, April 1, 2014 10:51:22 AM

To: Niebling, William; LeFranc, Maurice

Cc: Gunning, Paul; Newberg, Cindy; Hufford, Drusilla; Phillips, Anna; Friedman, Kristina; Mason, Colleen

Subject: FW: April 10th Meeting with EU Climate Commissioner Hedegaard - Request for Briefing Materials

William, Maurice: Same question here as with the Bob P-Lena Ek mtg, should we provide OAP input to the OAR IO for compiling with additional OAR background materials. From OAP, we will plan on getting to you key background points by Friday afternoon on: (b)(5) deliberative

(b)(5) deliberative

discussion. Let us know if you'd like to handle this differently.

From: Phillips, Anna

Sent: Monday, March 31, 2014 5:48 PM

To: Niebling, William; LeFranc, Maurice; Krieger, Jackie; Gunning, Paul; Newberg, Cindy

Cc: Buckley, Katherine; Mercurio, Cristina

Subject: April 10th Meeting with EU Climate Commissioner Hedegaard - Request for Briefing Materials

All – As you know, the Administrator is scheduled to meet with EU Commissioner for Climate Action Connie Hedegaard on **Thursday, April 10th at 3:00 p.m.**

Topics to be discussed include:

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I would appreciate your help with providing a limited set of key talking points on major issues by COB on Friday, April 4th for inclusion in the Deputy Administrator's briefing memo. Minimal background information can also be included but please provide it only if needed. I will circulate the draft briefing memo for final review/clearance early the week of April 7th before sending it forward to the Administrator's Office.

Thanks and regards,

Anna

To: Alsalam, Jameel[Alsalam.Jameel@epa.gov]
Cc: Ulman, Christie[Ex. 6 - Privacy]; Strait, Elan P[StraitEP@state.gov]
From: Rakestraw, Andrew R
Sent: Thur 3/6/2014 9:01:38 PM
Subject: ERT Qs&As: projections follow up
ERT Follow Up Questions_CEQ EDITS.docx

Hi Jameel –

CEQ had a few follow up questions/comments to the projections answers you provided. When you have a moment, can you please review? They're on pages 1-4 of the attached.

Thanks!

Andrew

Andrew Rakestraw

Foreign Affairs Officer

U.S. Department of State

Office of Global Change (OES / EGC)

This email is UNCLASSIFIED.

To: Alsalam, Jameel[Alsalam.Jameel@epa.gov]
From: Fawcett, Allen
Sent: Thur 2/27/2014 10:44:31 PM
Subject: Fw: Meeting between Secretary Moniz and our Administrator
CAR Post-2020 Emission Projections.docx

Fyi

From: Krieger, Jackie
Sent: Thursday, February 27, 2014 5:09:04 PM
To: Dunham, Sarah; Gunning, Paul
Cc: Friedman, Kristina; Fawcett, Allen
Subject: RE: Meeting between Secretary Moniz and our Administrator

Sarah - Sorry so long to respond to this request. We've attached a one-pager, both sides, that we think is responsive to Janet and Gina's request to better understand the inputs into our projections and potential opportunities for additional reductions. There's a lot of information in here (taken by Kristina directly from the CAR Chapter 5) which should at least give them something to react to and decide what more they might want. Paul and Allen, we worked from your last one-pager but ended up substituting a lot of language directly from Chapter 5.

-----Original Message-----

From: Dunham, Sarah
Sent: Friday, February 21, 2014 6:12 PM
To: Gunning, Paul; Krieger, Jackie; Irving, Bill; Fawcett, Allen
Subject: Re: Meeting between Secretary Moniz and our Administrator

Let's talk about it so I can convey what I heard from Janet. Next week.

From: Gunning, Paul
Sent: Friday, February 21, 2014 11:08:57 PM
To: Dunham, Sarah; Krieger, Jackie; Irving, Bill; Fawcett, Allen
Subject: Re: Meeting between Secretary Moniz and our Administrator

2020 meeting was fine we can follow up on Monday.

As for the request I am not sure what we need to provide/what is being asked. The closest thing I can think of is the one pager that Jameel was working on that provides a summary of the BR and CAR that I assume includes projections info.?

From: Dunham, Sarah
Sent: Friday, February 21, 2014 4:09:40 PM
To: Krieger, Jackie; Gunning, Paul
Subject: Fw: Meeting between Secretary Moniz and our Administrator

See post 2020 Gina request--we'll need a one pager which we should talk about

From: McCabe, Janet
Sent: Friday, February 21, 2014 5:58:35 PM
To: LeFranc, Maurice; Goffman, Joseph; Niebling, William; Sowell, Sarah; Page, Steve; Dunham, Sarah; Grundler, Christopher; Blubaugh, Jim; Schreifels, Jeremy

Cc: Nishida, Jane
Subject: RE: Meeting between Secretary Moniz and our Administrator

We had a good conversation with the Administrator yesterday in prep for the secretaries' meeting on Monday, which it sounds like will be just the three of them.

Gina agreed that post 2020 is a good topic, and understands where the staff discussions are, and the

Ex. 5 - Deliberative

Things that Gina mentioned she'd like to (b)(5) deliberative

(b)(5) deliberative

purposes of any revisions to the background material, let's just make sure to add these items in the appropriate places in the backgrounder--there's not time to add much, but just so she has them as reminders for Monday.

Thanks.

-----Original Message-----

From: LeFranc, Maurice
Sent: Friday, February 21, 2014 8:31 AM
To: Pershing, Jonathan; Goffman, Joseph; McCabe, Janet
Subject: RE: Meeting between Secretary Moniz and our Administrator

Thanks Jonathan. I have meetings at CEQ until 11:00 or so but will connect after that. Post-2020 is teed up for Gina.

-----Original Message-----

From: Pershing, Jonathan [mailto:Jonathan.Pershing@Hq.Doe.Gov]
Sent: Thursday, February 20, 2014 8:09 PM
To: LeFranc, Maurice; Goffman, Joseph; McCabe, Janet
Subject: RE: Meeting between Secretary Moniz and our Administrator

Maurice et al --

Thanks for input. We are having a meeting tomorrow with our Secretary to discuss more specifically, but

(b)(5) deliberative

Let me know if anything here gives you heartburn. I will give you a heads up if additional items come along after I talk to him.

J

-----Original Message-----

From: LeFranc, Maurice [mailto:LeFranc.Maurice@epa.gov]
Sent: Thursday, February 20, 2014 5:55 PM
To: Pershing, Jonathan; Goffman, Joseph; McCabe, Janet
Subject: Meeting between Secretary Moniz and our Administrator

Jonathan:

Hope you are well. Joe asked me to follow up on your email about Monday's meeting (I have been leading on this).

We can connect tomorrow with more detail but as a first cut, the Administrator would like to spend most if not all of the meeting on China. She can share her experiences/observations from her recent trip as well as cover some of the work we are doing. I believe she would like to discuss (b)(5) deliberative (b)(5) deliberative

Are there specific areas your Secretary would like to cover?

Thanks.

Maurice

To: Fawcett, Allen[Fawcett.Allen@epa.gov]
Cc: Alsalam, Jameel[Alsalam.Jameel@epa.gov]; Creason, Jared[Creason.Jared@epa.gov]
From: Adamantiades, Mikhail
Sent: Wed 2/26/2014 10:21:23 PM
Subject: Re: Post 2020 and BR Power Sector Abatement Estimates

Great thx, will look it over in the morning.

From: Fawcett, Allen
Sent: Wednesday, February 26, 2014 5:01:14 PM
To: Adamantiades, Mikhail
Cc: Alsalam, Jameel; Creason, Jared
Subject: RE: Post 2020 and BR Power Sector Abatement Estimates

Here's an updated version, fixing the 2005 emissions entry. Thanks Jameel for catching it.

Allen

From: Alsalam, Jameel
Sent: Wednesday, February 26, 2014 4:55 PM
To: Fawcett, Allen
Subject: RE: Post 2020 and BR Power Sector Abatement Estimates

Allen,

Ex. 5 - Deliberative

Jameel

From: Fawcett, Allen
Sent: Wednesday, February 26, 2014 4:44 PM
To: Adamantiades, Mikhail
Cc: Alsalam, Jameel; Creason, Jared

Subject: Post 2020 and BR Power Sector Abatement Estimates

Misha,

Here's what I came up with based on

(b)(5) deliberative

(b)(5) deliberative

Let me know if you have any comments or want to discuss.

Allen

To: Friedman, Kristina[Friedman.Kristina@epa.gov]; Krieger, Jackie[Krieger.Jackie@epa.gov]
Cc: Gunning, Paul[Gunning.Paul@epa.gov]; Alsalam, Jameel[Alsalam.Jameel@epa.gov]
From: Fawcett, Allen
Sent: Wed 2/26/2014 4:59:00 PM
Subject: RE: Follow-up
CAR-BR Projections Reductions summary.docx

Jackie and Kristina,

Here's the one pager Jameel drafted on CAR/BR projections and abatement opportunities. Let us know if you have any questions or comments.

Thanks,
Allen

From: Friedman, Kristina
Sent: Wednesday, February 26, 2014 10:57 AM
To: Alsalam, Jameel
Cc: Fawcett, Allen
Subject: Follow-up

Hi Jameel,

Just left you a vm. I'm currently not doing any work on drafting the response to the Administrator/AAA on reduction opportunities. I was hoping you/Allen could draft something, and Jackie and I could just review and edit (if necessary) before we share with the IO later today. Let me know if this is incorrect and if you would like us to help with anything further.

Thanks,

Kristina

Kristina Friedman

Office of Atmospheric Programs

U.S. Environmental Protection Agency

Phone: (202) 343-9281

To: McFarland, James[McFarland.James@epa.gov]; Creason, Jared[Creason.Jared@epa.gov];
Alsalam, Jameel[Alsalam.Jameel@epa.gov]
From: Fawcett, Allen
Sent: Wed 12/18/2013 2:36:26 PM
Subject: Fw: Notes from post-2020 discussion
[Post-2020 briefing package.pdf](#)

Fyi.

From: LeFranc, Maurice
Sent: Wednesday, December 18, 2013 9:31:53 AM
To: McCabe, Janet; Goffman, Joseph; Dunham, Sarah; Gunning, Paul; Fawcett, Allen
Subject: Notes from post-2020 discussion

Attached is the briefing package that was handed out at last night's post-2020 discussion. There was also a set of slides of further analysis by DOE, however, these slides were held back by the WH. Below are my quick meeting notes. Others may have more to add or more specific points to make. I will give Kristien paper copies for reading files.

December 17 - Post-2020 Discussion Notes

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

From: Hockstad, Leif
Location: Allen's office
Importance: Normal
Subject: Accepted: Post-2020 commitments brainstorm
Start Date/Time: Wed 12/4/2013 8:00:00 PM
End Date/Time: Wed 12/4/2013 9:00:00 PM

From: Fawcett, Allen
Location: Allen's office
Importance: Normal
Subject: Accepted: Post-2020 commitments brainstorm
Start Date/Time: Wed 12/4/2013 8:00:00 PM
End Date/Time: Wed 12/4/2013 9:00:00 PM

From: Irving, Bill
Location: DCRoom1310L856p20PCPoly/DC-1310L-OAR
Importance: Normal
Subject: New Time Proposed: Post-2020 commitments brainstorm
Start Date/Time: Wed 12/4/2013 6:00:00 PM
End Date/Time: Wed 12/4/2013 7:00:00 PM

New Meeting Time Proposed:
Wednesday, December 04, 2013 3:00 PM-4:00 PM (GMT-05:00) Eastern Time (US & Canada).

To: Gunning, Paul[Gunning.Paul@epa.gov]; Krieger, Jackie[Krieger.Jackie@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]; Kocchi, Suzanne[Kocchi.Suzanne@epa.gov]; Hockstad, Leif[Hockstad.Leif@epa.gov]; Alsalam, Jameel[Alsalam.Jameel@epa.gov]
From: Irving, Bill
Sent: Thur 11/21/2013 2:12:49 PM
Subject: FW: COP 19 News Clips Nov 21
[Stern \(11-18-2013\) Press Briefing at Warsaw Climate Change Conference.doc](#)

All - Todd's press conference remarks attached. In particular, you might be interested in the following for State Dept's latest on what they are saying publicly:

Page 3 on USG process for post 2020 policy development

Page 5-6 on timing of pledge, HFCs, Brazil proposal for historical responsibility

From: Meisel, Julia S <MeiselJS@state.gov>
Sent: Thursday, November 21, 2013 4:20 AM
To: Kelly, Alexia C; 'amanda.mccarty@noaa.gov'; Light, Andrew E; Rakestraw, Andrew R; Kolker, Anne K; **Ex. 6 - Privacy** Irving, Bill; ChanC1@state.gov; Dragisic, Christine D; Artusio, Christo F; Sierawski, Clare S; Johnson, Clifton M; Green, Collin (E3/GCC); Reifsnyder, Daniel A; Turk, David M; Strait, Elan P; Notman, Evan (E3/GCC/AID); Mu, Georgia K; Thompson, Griffin M (OES); Johnson, Hannah M (PACE); 'Himamauli.Das@treasury.gov'; Gates, Isabel N (OES-DRL); **Ex. 6 - Privacy, Jack Schick** **Ex. 6 - Privacy, Jenna Jadin** Brown, Jessica S; Thompson, John E; Verdieck, John D; 'jonathan.pershing@hq.doe.gov'; Saleh, Kareem N; Batten, Katharine M (E3/AA); Benes, Keith J; Carnahan, Kimberly C; **Ex. 6 - Privacy, Leslie Yang** 'Matthew.Kotchen@treasury.gov'; Packer, Matthew R; LeFranc, Maurice; Nakagawa, Melanie Y; Ryder-Rude, Meredith V; Haq, Nayyera; Bodnar, Paul; Schuler, Reed M; Gadsden, Sally F; Conway, Sarah R; D'Souza, Shereen L; 'syoffe@fs.fed.us'; Hobgood, Teresa D; Lattimer, Timothy P; Talley, Trigg; Vasquez, Valeri N; McGlynn, Emily F; 'alice.madden@hq.doe.gov'; Degen, Greg E3/AA; Welsh, Andrea (E3/GCC/PEL); 'bruce.doddridge@nasa.gov'; 'cynthia.rosenzweig@nasa.gov'; 'jack.kaye@nasa.gov'; Furlow, John (E3/GCC); 'marit.jentoft-nilsen@nasa.gov'; Singh, Sandeep K **Ex. 6 - Privacy** Biniaz, Susan N;
Ex. 6 - Privacy, George York
Subject: COP 19 News Clips Nov 21

Julia Meisel
MeiselJS@state.gov
+1 202 664 9604

----- Original Message -----

From: Haq, Nayyera
Sent: Thursday, November 21, 2013 03:56 AM Eastern Standard Time
To: Meisel, Julia S
Subject: Clips for the del.

To: Alsalam, Jameel[Alsalam.Jameel@epa.gov]
From: Creason, Jared
Sent: Fri 11/15/2013 2:48:38 PM
Subject: RE:

yep. ok.

Jared Creason Ph.D.

Climate Economics Branch

US Environmental Protection Agency

US Mail:

1200 Pennsylvania Ave. (Mail Code 6207J)

Washington DC 20460

Deliveries and Visitors:

1300 L Street N.W. Room 802H

Washington DC 20005

Office: 202.343.9273

Out of Office: 202.262.7623

email: creason.jared@epa.gov

From: Alsalam, Jameel
Sent: Friday, November 15, 2013 9:06 AM
To: Creason, Jared
Subject: RE:

Jared,

Allen came by, said he talked to Paul and has the go-ahead to work on a separate post-2020 briefing. So I am thinking that

Ex. 5 - Deliberative

Ex. 5 - Deliberative

There could very well be some overlap, but I think the split makes some sense.

Jameel

From: Creason, Jared
Sent: Thursday, November 14, 2013 3:42 PM
To: Alsalam, Jameel
Subject:

Ex. 5 - Deliberative

Jared Creason, Ph.D.
Climate Economics Branch
U.S. Environmental Protection Agency

US Mail:
1200 Pennsylvania Avenue N.W. (mail code 6207J)
Washington DC 20460

Deliveries & Visitors:
1310 L Street N.W.
Rm 802-H
Washington, D.C. 20005

Office: (202)343-9273
Out of Office: (202)262-7623
Email: creason.jared@epa.gov

To: Creason, Jared[Creason.Jared@epa.gov]; Alsalam, Jameel[Alsalam.Jameel@epa.gov]
From: Fawcett, Allen
Sent: Wed 11/13/2013 7:30:34 PM
Subject: post-2020 slides
Post-2020 for Sara - 11-08-13.pptx

To: Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Alsalam, Jameel
Sent: Wed 8/20/2014 2:59:41 PM
Subject: RE: Action for your review: Draft Climate Change Chapter for IEA's U.S.- In-depth review Energy Policies publication Response by COB Friday August 15th

I have not received through other channels. I will take a quick look.

From: Fawcett, Allen
Sent: Wednesday, August 20, 2014 10:57 AM
To: Alsalam, Jameel
Subject: FW: Action for your review: Draft Climate Change Chapter for IEA's U.S.- In-depth review Energy Policies publication Response by COB Friday August 15th
Importance: High

Jameel, is this something you've already seen through other channels? It might be worth a quick look to see if there are any red flags.

From: Mignone, Bryan [<mailto:Bryan.Mignone@hq.doe.gov>]
Sent: Wednesday, August 20, 2014 9:44 AM
To: Fawcett, Allen; Irving, Bill; Stenhouse, Jeb
Cc: Ballou, Kimberly
Subject: FW: Action for your review: Draft Climate Change Chapter for IEA's U.S.- In-depth review Energy Policies publication Response by COB Friday August 15th
Importance: High

All,

I have just reviewed this, and I wanted to make sure the CAR/BR, post-2020 and 111 teams at EPA had a chance to review as well. In particular, there seems to be some slightly outdated and/or not-quite-correct language on CAA-related items. Please feel to share the appropriate folks at EPA if you are not the right ones to handle.

Please send your comments back to Kim Ballou in our International Affairs Office, and she will

route appropriately. It will also go to EOP.

It sounds like we will get another chance to review, but if you want to flag anything in this round, Kim would need by Friday.

Thanks,

Bryan

From: Ballou, Kimberly
Sent: Wednesday, July 30, 2014 1:41 PM
To: Mignone, Bryan; Pershing, Jonathan; Zamuda, Craig
Cc: Yoshida, Phyllis; Costantino, Francesca; Bassett, Luke
Subject: Action for your review: Draft Climate Change Chapter for IEA's U.S.- In-depth review Energy Policies publication Response by COB Friday August 15th
Importance: High

Hi Folks,

In follow-up to your participation in the U.S. In-depth review team briefing last summer I have received the IEA's draft of the Climate Change chapter for the publication. Please review this document carefully and let me know if you have any comments, corrections or amendments etc. If there are any big omissions or policy changes let me know. The IEA has noted that for this draft they pulled extensively from the Climate Action Report 2014.

I would appreciate your input by **COB Friday August 15th**. Please note you will get a second opportunity to review this chapter in the coming weeks before it is considered final.

Kind Regards,

Kimberly

Kimberly C. Ballou

Coordinator for International Programs

Office of International Affairs

U.S. Department of Energy

1000 Independence Ave SW

Washington, DC 20585

Office:7G-069

(202) 586-6029 (Office)

(202) 255-0709 (Blackberry)

To: Shaun Ragnauth[Ragnauth.Shaun@epa.gov]
From: Alsalam, Jameel
Sent: Wed 8/6/2014 11:02:31 PM
Subject: Percent below tables with alt GWPs
111(d) and Additional Abatement - Tables and Figures - alt GWP.xlsx

Shaun,

I have been trying to figure out which of Allen's many spreadsheets was the appropriate one to make the GWP changes to. It was a difficult challenge given the very messy state of the spreadsheets. In any case, I have made the spreadsheets slightly messier by adding some versions with alternate GWPs. I think that Allen's intention was for us to bring a version of one of these.

In the attached, see the tab called "Tables alt GWP". In those tables, I have updated the

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Best,

Jameel

Jameel Alsalam

Economist, Climate Change Division

U.S. Environmental Protection Agency

voice: (202) 343-9807

fax: (202) 343-2202

alsalam.jameel@epa.gov

To: Godwin, Dave[Godwin.Dave@epa.gov]
From: Alsalam, Jameel
Sent: Wed 8/6/2014 2:54:06 PM
Subject: RE: Next round of post-2020 discussions, check on HFCs

Dave – it sounds like Cindy has been able to speak directly with Christie, and therefore HFCs won't really be a topic for Thurs. mtg, so won't need to include HFCs in the background doc.

From: Alsalam, Jameel
Sent: Tuesday, August 05, 2014 11:04 AM
To: Godwin, Dave
Cc: Ragnauth, Shaun; Fawcett, Allen; Newberg, Cindy
Subject: RE: Next round of post-2020 discussions, check on HFCs

Dave,

Thanks very much for these thoughts. I have tried to convey them in calls discussing these issues.

We were just invited to a meeting coming up on Thursday at 9:30 to discuss the technical methodologies behind post-2020 baseline and reductions, for which we have been asked to put together a methodology background document, so I wanted to give you a heads-up that I will be trying to take some information from your note and incorporate into the background doc that was previously used for the CAR. I will share with you to comment if you would like, later this afternoon or tomorrow morning.

One area that I have been a little bit confused on –

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Another clarification point:

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Best,

Jameel

From: Godwin, Dave

Sent: Monday, July 21, 2014 10:41 AM

To: Alsalam, Jameel

Cc: Ragnauth, Shaun; Fawcett, Allen; Newberg, Cindy

Subject: RE: Next round of post-2020 discussions, check on HFCs

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Alsalam, Jameel
Sent: Thursday, July 17, 2014 1:52 PM
To: Newberg, Cindy; Godwin, Dave
Cc: Ragnauth, Shaun; Fawcett, Allen
Subject: Next round of post-2020 discussions, check on HFCs

Cindy and Dave,

It appears that the next round of post-2020 discussions will be sometime in the next couple of weeks. Allen, Shaun and I have been working with Bryan Mignone and Elke Hodson at DOE on some of the updates. In particular, they

Ex. 5 - Deliberative

Ex. 5 - Deliberative

I am writing now because I would like you to take a look at what they have now for HFCs, and check-in about whether what they are portraying here makes sense or whether there are updates to incorporate. See in particular slide 6 in the attached draft “baseline” PPT and slide 5 in the attached “Policy” PPT (both are still works in progress from DOE).

My understanding of what is shown here:

Ex. 5 - Deliberative

Ex. 5 - Deliberative

My questions:

Ex. 5 - Deliberative

If we need to dig further in, we should have some spreadsheets from DOE soon.

Cheers,

Jameel Alsalam

Economist, Climate Change Division

U.S. Environmental Protection Agency

voice: (202) 343-9807

fax: (202) 343-2202

alsalam.jameel@epa.gov

To: Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Alsalam, Jameel
Sent: Thur 4/3/2014 6:58:22 PM
Subject: RE: just making sure you both see this...

Allen,

I'll try to stop by in a few minutes.

The talking points that I have already are the ones that I sent to Kristina last time around and were part of the many rounds of back-and-forth. They are also sort of high level, so they probably won't meet her request for "technical information."

Jameel

From: Fawcett, Allen
Sent: Thursday, April 03, 2014 1:46 PM
To: Alsalam, Jameel
Subject: FW: just making sure you both see this...
Importance: High

Jameel,

See the message below from Kristina. Could you pull together a few talking points on the

Ex. 5 - Deliberative

Thanks,
Allen

From: Kocchi, Suzanne
Sent: Thursday, April 03, 2014 1:33 PM
To: Fawcett, Allen; Irving, Bill
Subject: just making sure you both see this...
Importance: High

...since Allen is out tmrw (b)(6) personal privacy and Bill is offsite today

From: Friedman, Kristina
Sent: Thursday, April 03, 2014 1:13 PM
To: Irving, Bill; Fawcett, Allen
Cc: Mason, Colleen; Krieger, Jackie; Kocchi, Suzanne
Subject: Background Materials for 4/10 meeting with EU Climate Commissioner Hedegaard

Hi Bill/Allen,

Could you guys help us prepare background information for the Administrator's meeting next week with Commissioner Hedegaard? I've pasted below the email Jackie received from OITA. As you notice below, we've been asked for some high-level information to facilitate the discussion and limited background. It sounds like both of you will have separate information to share on the discussion, Bill: broad/high level comments and Allen: technical information. Could you please send us your information by tomorrow afternoon, so we can compile with the other topics and share with folks in the IO for review before sending to OITA. Let me know if you have any questions.

Thanks,

Kristina

Kristina Friedman

Office of Atmospheric Programs

U.S. Environmental Protection Agency

Phone: (202) 343-9281

From: Krieger, Jackie

Sent: Tuesday, April 1, 2014 10:51:22 AM

To: Niebling, William; LeFranc, Maurice

Cc: Gunning, Paul; Newberg, Cindy; Hufford, Drusilla; Phillips, Anna; Friedman, Kristina; Mason, Colleen

Subject: FW: April 10th Meeting with EU Climate Commissioner Hedegaard - Request for Briefing Materials

William, Maurice: Same question here as with the Bob P-Lena Ek mtg, should we provide OAP input to the OAR IO for compiling with additional OAR background materials. From OAP, we will plan on getting to you key background points by Friday afternoon on: (b)(5) deliberative

(b)(5) deliberative

discussion. Let us know if you'd like to handle this differently.

From: Phillips, Anna

Sent: Monday, March 31, 2014 5:48 PM

To: Niebling, William; LeFranc, Maurice; Krieger, Jackie; Gunning, Paul; Newberg, Cindy

Cc: Buckley, Katherine; Mercurio, Cristina

Subject: April 10th Meeting with EU Climate Commissioner Hedegaard - Request for Briefing Materials

All – As you know, the Administrator is scheduled to meet with EU Commissioner for Climate Action Connie Hedegaard on **Thursday, April 10th at 3:00 p.m.**

Topics to be discussed include:

(b)(5) deliberative

(b)(5) deliberative

I would appreciate your help with providing a limited set of key talking points on major issues by COB on Friday, April 4th for inclusion in the Deputy Administrator's briefing memo. Minimal background information can also be included but please provide it only if needed. I will circulate the draft briefing memo for final review/clearance early the week of April 7th before sending it forward to the Administrator's Office.

Thanks and regards,

Anna

To: Larsen, John[John.Larsen@Hq.Doe.Gov]
Cc: Mignone, Bryan[Bryan.Mignone@hq.doe.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Alsalam, Jameel
Sent: Tue 3/4/2014 3:37:33 PM
Subject: RE: GWPs and BR data

John,

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Best,

Jameel

From: Larsen, John [mailto:John.Larsen@Hq.Doe.Gov]
Sent: Monday, March 03, 2014 10:27 AM
To: Alsalam, Jameel
Cc: Mignone, Bryan
Subject: GWPs and BR data

Hi Jameel,

It was good to meet you in person at the CAR review last week. I've been working on DOE's contribution to the post-2020 discussions and have a questions about GWPs used in the BR

Ex. 5 - Deliberative

Here's a copy of the spreadsheet I've been working with.

Thanks for any clarity you can provide on this.

John Larsen

Office of Climate and Environment

Office of Energy Policy and Systems Analysis - Department of Energy

202-287-6241

To: Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Alsalam, Jameel
Sent: Thur 2/27/2014 3:36:36 PM
Subject: FW: CAR6/biennial report - quick turnaround request
CAR-BR Projections Reductions summary - aaf v2.docx
CAR-BR Projections Reductions summary.docx

Sorry, meant to cc you. Just send a bunch of stuff to Pamela – sounds like she has been assigned a similar quick turn to what we were doing yesterday. It may be helpful to try to get more specific on

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Alsalam, Jameel
Sent: Thursday, February 27, 2014 10:31 AM
To: Franklin, Pamela; Ragnauth, Shaun
Cc: Hockstad, Leif
Subject: RE: CAR6/biennial report - quick turnaround request

Pamela,

The CAR/BR are published here:

<http://www.state.gov/c/oes/rls/rpts/car6/index.htm>

The projections chapter (“with measures”, not additional measures) is here:

<http://www.state.gov/documents/organization/218993.pdf>

The table with total methane emissions is table 5-1 on the second page of this pdf. The methane emissions projection is:

2015: 578

2020: 599

2025: 619

2030: 626

The table with individual sources broken out is table 5-2, on the fourth page of the pdf. For example

Natural gas systems in 2020: 140

Enteric fermentation in 2020: 147

Etc...

The report has a relatively minor discussion of reduction opportunities. The BR includes a table of technical potential reductions consistent with the Presidents' CAP. The pdf is here:

<http://www.state.gov/documents/organization/219039.pdf>

See pg 16 for the "significant reductions achievable in 2020"

It includes a table, with potential methane reductions:

CH4: 25-90

The report does not specify what sectors, etc. There is a short appendix on where these numbers come from here:

<http://www.state.gov/documents/organization/219471.pdf>

In addition, I am attaching a couple of drafts of one-pagers that Allen and I did yesterday on sort of similar topics for Janet/Gina/Jackie on similar sounding topics, which might be of use.

Shaun certainly has lots more from the MAC, but this is all that's in the BR/CAR.

Best,

Jameel

From: Franklin, Pamela
Sent: Thursday, February 27, 2014 10:12 AM
To: Alsalam, Jameel; Ragnauth, Shaun
Cc: Hockstad, Leif
Subject: CAR6/biennial report - quick turnaround request
Importance: High

Hi guys,

I am working on a firedrill for Paul (from the White House). Can you please send me the latest CAR6/biennial report/nonCO2 projections report, and point me to the relevant pages and sections where I can find the information about projected US methane emissions?

I need a paragraph or two, and maybe a graphic, as input for the white house interagency methane strategy, showing projected US methane emissions, and potential mitigation opportunities.

Whatever you can send ASAP would be fantastic. Thank you!!!!

Pamela

Pamela M. Franklin, PhD

Branch Chief, Non-CO2 Programs

Climate Change Division

US Environmental Protection Agency

(202) 343-9476

franklin.pamela@epa.gov

To: Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Alsalam, Jameel
Sent: Wed 2/26/2014 4:52:27 PM
Subject: Stab at 1-pager
CAR-BR Projections Reductions summary.docx

Allen,

Attached is a stab at the one-pager. I tried to tee up the problem as I see it.

Best,

Jameel

Jameel Alsalam

Economist, Climate Change Division

U.S. Environmental Protection Agency

voice: (202) 343-9807

fax: (202) 343-2202

alsalam.jameel@epa.gov

To: Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Alsalam, Jameel
Sent: Mon 2/24/2014 1:21:25 PM
Subject: RE: Meeting between Secretary Moniz and our Administrator

I am going straight over to the state dept. Perhaps see you there this morning. If you need to reach me, cell phone # is Ex. 6 - Privacy

From this thread, it looks like what is needed is a one-pager with information on projections to make it easier to understand additional measures, but it would be hard to fit sufficient detail in a one-pager.

Jameel

From: Fawcett, Allen
Sent: Friday, February 21, 2014 6:13 PM
To: Alsalam, Jameel
Subject: Fw: Meeting between Secretary Moniz and our Administrator

Can wait for next week.

From: Dunham, Sarah
Sent: Friday, February 21, 2014 6:11:42 PM
To: Gunning, Paul; Krieger, Jackie; Irving, Bill; Fawcett, Allen
Subject: Re: Meeting between Secretary Moniz and our Administrator

Let's talk about it so I can convey what I heard from Janet. Next week.

From: Gunning, Paul
Sent: Friday, February 21, 2014 11:08:57 PM
To: Dunham, Sarah; Krieger, Jackie; Irving, Bill; Fawcett, Allen
Subject: Re: Meeting between Secretary Moniz and our Administrator

2020 meeting was fine we can follow up on Monday.

As for the request I am not sure what we need to provide/what is being asked. The closest thing I can think of is the one pager that Jameel was working on that provides a summary of the BR and CAR that I assume includes projections info.?

From: Dunham, Sarah
Sent: Friday, February 21, 2014 4:09:40 PM
To: Krieger, Jackie; Gunning, Paul
Subject: Fw: Meeting between Secretary Moniz and our Administrator

See post 2020 gina request--we'll need a one pager which we should talk about

From: McCabe, Janet
Sent: Friday, February 21, 2014 5:58:35 PM
To: LeFranc, Maurice; Goffman, Joseph; Niebling, William; Sowell, Sarah; Page, Steve; Dunham, Sarah; Grundler, Christopher; Blubaugh, Jim; Schreifels, Jeremy
Cc: Nishida, Jane
Subject: RE: Meeting between Secretary Moniz and our Administrator

We had a good conversation with the Administrator yesterday in prep for the secretaries' meeting on Monday, which it sounds like will be just the three of them.

Gina agreed that post 2020 is a good topic, and understands where the staff discussions are, and the

(b)(5) deliberative

Things that Gina mentioned she'd like to

Ex. 5 - Deliberative

Ex. 5 - Deliberative

purposes of any revisions to the background material, let's just make sure to add these items in the appropriate places in the background--there's not time to add much, but just so she has them as reminders for Monday.

Thanks.

-----Original Message-----

From: LeFranc, Maurice

Sent: Friday, February 21, 2014 8:31 AM

To: Pershing, Jonathan; Goffman, Joseph; McCabe, Janet

Subject: RE: Meeting between Secretary Moniz and our Administrator

Thanks Jonathan. I have meetings at CEQ until 11:00 or so but will connect after that. Post-2020 is teed up for Gina.

-----Original Message-----

From: Pershing, Jonathan [mailto:Jonathan.Pershing@Hq.Doe.Gov]

Sent: Thursday, February 20, 2014 8:09 PM

To: LeFranc, Maurice; Goffman, Joseph; McCabe, Janet

Subject: RE: Meeting between Secretary Moniz and our Administrator

Maurice et al --

Thanks for input. We are having a meeting tomorrow with our Secretary to discuss more specifically, but

(b)(5) deliberative

Let me know if anything here gives you heartburn. I will give you a heads up if additional items come along after I talk to him.

J

-----Original Message-----

From: LeFranc, Maurice [mailto:LeFranc.Maurice@epa.gov]
Sent: Thursday, February 20, 2014 5:55 PM
To: Pershing, Jonathan; Goffman, Joseph; McCabe, Janet
Subject: Meeting between Secretary Moniz and our Administrator

Jonathan:

Hope you are well. Joe asked me to follow up on your email about Monday's meeting (I have been leading on this).

We can connect tomorrow with more detail but as a first cut, the Administrator would like to spend most if not all of the meeting on China. She can share her experiences/observations from her recent trip as well as cover some of the work we are doing. I believe she would like to discuss (b)(5) deliberative (b)(5) deliberative

Are there specific areas your Secretary would like to cover?

Thanks.

Maurice

To: Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]
From: Alsalam, Jameel
Sent: Tue 2/11/2014 3:40:17 PM
Subject: RE: CAR6 projections

Ex. 5 - Deliberative [xlsx](#)

Ex. 5 - Deliberative The correct maximum percent reduction still needs to be filled in (the yellow-highlighted cell in the sheet).

Ex. 5 - Deliberative

From: Ragnauth, Shaun
Sent: Tuesday, February 11, 2014 9:25 AM
To: Alsalam, Jameel
Subject: RE: CAR6 projections

Ex. 5 - Deliberative

From: Alsalam, Jameel
Sent: Tuesday, February 11, 2014 9:22 AM
To: Ragnauth, Shaun
Subject: RE: CAR6 projections

Ex. 5 - Deliberative

From: Ragnauth, Shaun
Sent: Tuesday, February 11, 2014 9:22 AM
To: Alsalam, Jameel
Subject: RE: CAR6 projections

Yes, that would be helpful.

From: Alsalam, Jameel
Sent: Tuesday, February 11, 2014 9:21 AM
To: Ragnauth, Shaun
Subject: RE: CAR6 projections

Would it be helpful for me to Ex. 5 - Deliberative
Ex. 5 - Deliberative

Best,

Jameel

From: Ragnauth, Shaun
Sent: Tuesday, February 11, 2014 9:19 AM
To: Alsalam, Jameel
Subject: RE: CAR6 projections

Thanks, Jameel. This is perfect. Ex. 5 - Deliberative
Ex. 5 - Deliberative

From: Alsalam, Jameel
Sent: Tuesday, February 11, 2014 9:03 AM
To: Ragnauth, Shaun
Subject: RE: CAR6 projections

Shaun,

Attached is a detailed table of emissions projections in the “with measures” case for the national communication/biennial report. Let me know if you need more detail in there somewhere.

Best,

Jameel

From: Ragnauth, Shaun
Sent: Tuesday, February 11, 2014 8:36 AM
To: Alsalam, Jameel
Subject: CAR6 projections

Hey Jameel,

Did you do Ex. 5 - Deliberative?

Shaun

Shaun Ragnauth

Economist

U.S. EPA - Climate Change Division

W: 202-343-9142 | M: 202-285-3795

To: Ragnauth, Shaun[Ragnauth.Shaun@epa.gov]
From: Alsalam, Jameel
Sent: Tue 2/11/2014 2:52:21 PM
Subject: RE: CAR6 projections

Ex. 5 - Deliberative [xlsx](#)

Ex. 5 - Deliberative For the CAR, this was merely extrapolated, but I did some quick calcs to

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Best,

Jameel

From: Ragnauth, Shaun
Sent: Tuesday, February 11, 2014 9:25 AM
To: Alsalam, Jameel
Subject: RE: CAR6 projections

Ex. 5 - Deliberative

From: Alsalam, Jameel
Sent: Tuesday, February 11, 2014 9:22 AM
To: Ragnauth, Shaun
Subject: RE: CAR6 projections

Ex. 5 - Deliberative

From: Ragnauth, Shaun
Sent: Tuesday, February 11, 2014 9:22 AM

To: Alsalam, Jameel
Subject: RE: CAR6 projections

Yes, that would be helpful.

From: Alsalam, Jameel
Sent: Tuesday, February 11, 2014 9:21 AM
To: Ragnauth, Shaun
Subject: RE: CAR6 projections

Would it be helpful for me to [Ex. 5 - Deliberative]
[Ex. 5 - Deliberative]

Best,

Jameel

From: Ragnauth, Shaun
Sent: Tuesday, February 11, 2014 9:19 AM
To: Alsalam, Jameel
Subject: RE: CAR6 projections

Thanks, Jameel. This is perfect. [Ex. 5 - Deliberative]
[Ex. 5 - Deliberative]

From: Alsalam, Jameel
Sent: Tuesday, February 11, 2014 9:03 AM
To: Ragnauth, Shaun
Subject: RE: CAR6 projections

Shaun,

Attached is a detailed table of emissions projections in the “with measures” case for the national communication/biennial report. Let me know if you need more detail in there somewhere.

Best,

Jameel

From: Ragnauth, Shaun
Sent: Tuesday, February 11, 2014 8:36 AM
To: Alsalam, Jameel
Subject: CAR6 projections

Hey Jameel,

Did you do Ex. 5 - Deliberative?

Shaun

Shaun Ragnauth

Economist

U.S. EPA - Climate Change Division

W: 202-343-9142 | M: 202-285-3795

ragnauth.shaun@epa.gov

From: Ulman, Christie
Location: Ex. 6 - Privacy **Code:** Ex. 6 - Privacy
Importance: Normal
Subject: Technical discussion on long-term carbon estimates
Start Date/Time: Mon 8/18/2014 9:00:00 PM
End Date/Time: Mon 8/18/2014 10:00:00 PM

.....
>>>>>

Per the emails below:

From: Duke, Rick
Sent: Thursday, August 14, 2014 12:33 PM
To: 'Dunham, Sarah (Dunham.Sarah@epa.gov)'; 'Lie.Sharyn@epa.gov'; 'Barron, Alex (Barron.Alex@epa.gov)'
Cc: 'goffman.joseph@epa.gov'; Ulman, Christie; Hultman, Nathan; 'Fawcett, Allen (Fawcett.Allen@epa.gov)'; Zakaria, Rama; Wong, Jacqueline; Maurice LeFranc (lefranc.maurice@epa.gov)
Subject: RE: long-term carbon estimates
Some process updates:

- Christie is going to pull together a technical call with this group at 5pm on Monday
- We will hold our first interagency technical discussion on Wednesday 8/20, time TBC.

Ex. 5 - Deliberative

Many thanks...

From: Duke, Rick
Sent: Monday, August 11, 2014 12:59 PM
To: Dunham, Sarah (Dunham.Sarah@epa.gov); 'Lie.Sharyn@epa.gov'
Cc: goffman.joseph@epa.gov; Barron, Alex (Barron.Alex@epa.gov); Ulman, Christie; Hultman, Nathan; Fawcett, Allen (Fawcett.Allen@epa.gov); Zakaria, Rama
Subject: long-term carbon estimates
Sarah and Sharyn,
Some technical questions as we consider our long-term carbon pollution reduction goals.
Does EPA have an updated view on the emissions reduction potential originally estimated here

<http://www.epa.gov/otaq/climate/kerry-analysis-02-18-2010.pdf> in response to a request from then Sen Kerry? More specifically:

Ex. 5 - Deliberative

The most efficient way to tackle this might be to sit down in person but I'm also reachable at

Ex. 6 - Privacy

Thanks,
Rick

From: Vahlsing, Candace
Location: EEOB 228
Importance: Normal
Subject: Post 2020 Analytics
Start Date/Time: Fri 2/21/2014 9:30:00 PM
End Date/Time: Fri 2/21/2014 10:30:00 PM
Copy of WAVES 2.0 Excel Template V1.8.8.xls

;

This meeting will be a technical level discussion. We will send an invite for the next meeting of the larger group shortly. Many thanks!

Tentative Agenda

- I. [b(5) deliberative]
- II. [b(5) deliberative]
- III. [b(5) deliberative]

Please send WAVES information to Candace Vahlsing if there is a change in the manifest for your agency.

Manifest

EOP – Duke, Stock, Minsk, Bodnar, Ulman

State – Talley, Artusio, Reifsynder, Schuler

DOE – Pershing, Greenwald, Mignone

EPA – LeFranc, Dunham, Gunning, Fawcett, Niebling

From: McCabe, Janet
Location: WJC-N 5400 + Ex. 6 - Privacy Participant Code: Ex. 6 - Privacy
Importance: Normal
Subject: Post 2020 Strategy
Start Date/Time: Thur 1/16/2014 5:00:00 PM
End Date/Time: Thur 1/16/2014 5:40:00 PM
Mid-January meeting on post-202

To: McCabe, Janet; Goffman, Joe; Dunham, Sarah; Gunning, Paul; Fawcett, Allen; LeFranc, Maurice; Irving, Bill

To: Atkinson, Emily[Atkinson.Emily@epa.gov]
From: LeFranc, Maurice
Sent: Fri 12/20/2013 8:12:00 PM
Subject: Mid-January meeting on post-202

;
Emily:

Janet asked me to follow up on this to get something on her calendar. We need the following meeting sometime after January 13th.

Title: Post-2020 Strategy

Date: After January 13

Duration: 30-45 minutes

Invitees:

Maurice

Joe

Sarah Dunham

Paul Gunning

Allen Fawcett

Thank you.

Maurice

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

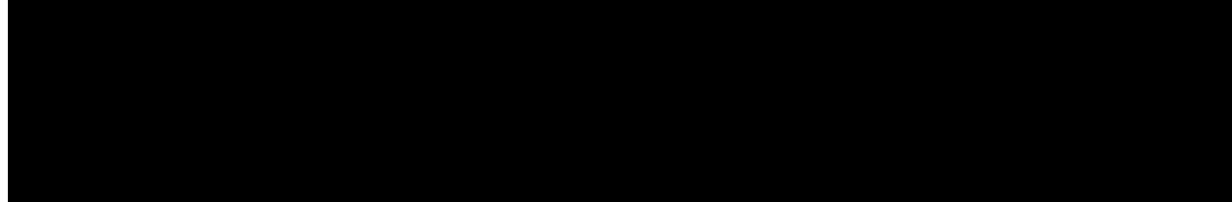
U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

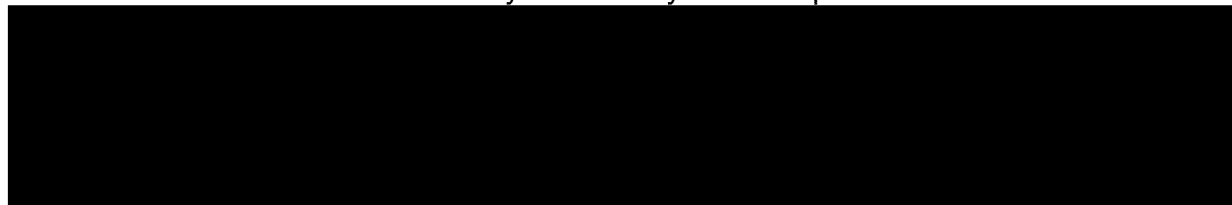
To: Dunham, Sarah[Dunham.Sarah@epa.gov]
From: Fawcett, Allen
Sent: Fri 9/5/2014 7:32:59 PM
Subject: Re: SNAP numbers for Sarah

Sorry, I certainly won't share these numbers.



Thanks again Allen for sending these. Fyi, for future requests, I was never intending to provide these numbers to anyone interagency, particularly the snap 2 numbers. I just wanted to be reminded of them for framing a response. So while I know you already said them at this afternoon's mtgs, pls do not share them moving forward.

Sent from my BlackBerry 10 smartphone.



Sarah,

Here are the SNAP numbers from Cindy.

Allen

From: Newberg, Cindy
Sent: Friday, September 05, 2014 11:14 AM
To: Fawcett, Allen
Cc: Godwin, Dave; Rim, Elisa
Subject: RE: SNAP numbers for Sarah

Hi Allen-

Yup it is clear.

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Please let me know if you need anything else.

-Cindy

From: Fawcett, Allen

Sent: Friday, September 05, 2014 10:55 AM

To: Newberg, Cindy

Subject: SNAP numbers for Sarah

Hi Cindy,

Sarah and I are going over to a post-2020 meeting at 2 today, and she asked if we could get a few

numbers for her before the meeting. She's looking for:

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Hope that's clear, let me know if you want to discuss.

Thanks,

Allen

Allen A. Fawcett, Ph.D.

Climate Economics Branch

Climate Change Division

U.S. Environmental Protection Agency

Office: (202) 343-9436

Cell: (b)(6) personal privacy

To: Dunham, Sarah[Dunham.Sarah@epa.gov]
From: Gunning, Paul
Sent: Tue 8/26/2014 12:20:24 PM
Subject: FW: Prep for China DVC - Draft deck attached
DVC 1 Presentation v2.8.pptx

Sarah –

Attached are the draft slides for the China DVC. The outline is:

Ex. 5 - Deliberative

Ex. 5 - Deliberative

There is a prep meeting with State this AM that Maurice and Allen will be attending. The current plan for Wed. is for Rick Duke to run through this slide deck and both Maurice and Allen are planning on attending on Wed AM.

I have asked Allen to update us after the meeting today. I don't think it is necessary for you to go unless you want to of course.


Paul

To: Dunham, Sarah[Dunham.Sarah@epa.gov]; Atkinson, Emily[Atkinson.Emily@epa.gov];
Goffman, Joseph[Goffman.Joseph@epa.gov]
Cc: Gunning, Paul[Gunning.Paul@epa.gov]
From: LeFranc, Maurice
Sent: Thur 7/24/2014 2:41:53 PM
Subject: Re: Forest Measurement Deputies Meeting

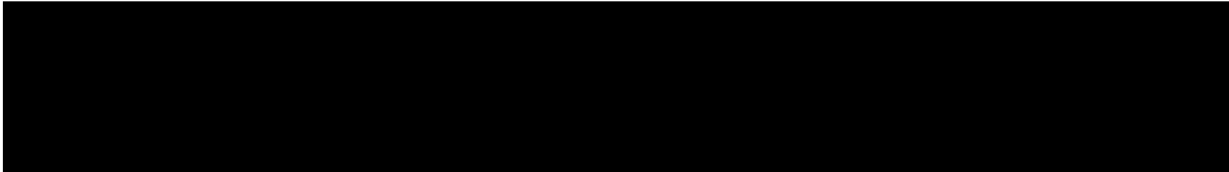
I can provide some context on this when needed. I had been helping CEQ with this for a while as a co-lead on their effort. OAP has been addressing inventories and projections. The intent of this meeting is to jump-start this inventory and projections process to feed into post-2020 discussions.

The push is really on USDA/USFS and not us - we have been supportive and active while USDA/USFS are sitting on their hands. I agree with Sarah that this could be delegated.

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.



Thanks Emily, i'm adding Maurice and Paul G for their input. EPA should definitely take it, Janet could conceivably delegate, but Maurice and Paul would have good advice on that. (i'm sensitive to Joe not being available).



Hi Sarah and Joe,

Janet reviewed this meeting request and asked that I check in with you both to see what you know about this group and for a recommendation on whether or not she should take this meeting. They are requesting Friday, August 1.

Let me know if you think she should take this, delegate or decline it.

Thanks.

Emily

From: Lockwood, Amanda - OSEC [mailto:Amanda.Lockwood@osec.usda.gov]
Sent: Friday, July 18, 2014 10:05 AM
To: 'Holloway, Jenae'; Atkinson, Emily; 'michelle_brown@ios.doi.gov'; 'debrossem@state.gov'
Cc: Giannone, Jordyn (Intern)
Subject: RE: Forest Measurement Deputies Meeting

Under Secretary Bonnie

Anytime between 11:30 – 5 we can make work.

Thank you,

Amanda

From: Holloway, Jenae [mailto:] **Ex. 6 - Personal Privacy**
Sent: Friday, July 18, 2014 9:55 AM
To: Lockwood, Amanda - OSEC; 'atkinson.emily@epa.gov'; 'michelle_brown@ios.doi.gov'; 'debrossem@state.gov'
Cc: Giannone, Jordyn (Intern)
Subject: Forest Measurement Deputies Meeting

Hi,

Please let me know your principals' availability for a 1 hour Forest Measurement Deputies Meeting on August 1st. This will be a Deputy level meeting to discuss collaborating on tools to estimate/measure carbon sequestration for our Post-2020 target and improve the greenhouse gas inventory. Each Deputy may bring a +1.

Possible time:

10-12pm

2-5pm

Manifest

Mike Boots

Rick Duke

Robert Bonnie

Janet McCabe

Anne Castle

Todd Stern

Thanks!
Jenae

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To: McCabe, Janet[McCabe.Janet@epa.gov]; Dunham, Sarah[Dunham.Sarah@epa.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]
From: LeFranc, Maurice
Sent: Fri 6/20/2014 12:45:10 PM
Subject: RE: follow up to post-2020 discussion

There were no explicit next steps mentioned beyond

Ex. 5 - Deliberative

Ex. 5 - Deliberative

I'll follow up with State and CEQ to see if they have a plan beyond yesterday's meeting. My understanding is that the timing of yesterday's meeting was to provide some clarity and support for Todd in an upcoming Major Economies Forum meeting and for his trip to China for the S&ED and associated climate meetings in early July.

From: McCabe, Janet
Sent: Thursday, June 19, 2014 11:32 PM
To: Dunham, Sarah; LeFranc, Maurice; Goffman, Joseph
Subject: RE: follow up to post-2020 discussion

Thanks you too--for attending and for summarizing. Do you know what the next steps are?

I wonder,

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Dunham, Sarah
Sent: Thursday, June 19, 2014 9:01 PM
To: LeFranc, Maurice; McCabe, Janet; Goffman, Joseph
Subject: Re: follow up to post-2020 discussion

That was a good summary of this morning's meeting, with a fair amount of humility on Maurice's part-- Maurice did a very nice job in the meeting providing needed context around the land use

emissions estimates.

The only thing to add, and maybe better to pass along more detail in person, was the exchange

Ex. 5 - Deliberative

From: LeFranc, Maurice

Sent: Thursday, June 19, 2014 12:38 PM

To: McCabe, Janet; Goffman, Joseph

Cc: Dunham, Sarah

Subject: follow up to post-2020 discussion

Sarah and I attended the post-2020 discussion at the White House this morning. The meeting was led by Rick Duke and Dan Utech – John Podesta and Todd were at the meeting as well. The focus of the meeting was on

Ex. 5 - Deliberative

Ex. 5 - Deliberative

CEQ

provide a power point to drive the discussion, however, as usual they took it back at the end of the meeting. Here is a brief summary – Sarah should fill in as needed.

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

To: Dunham, Sarah[Dunham.Sarah@epa.gov]; Murphy, Tina[Murphy.Tina@epa.gov]; Krieger, Jackie[Krieger.Jackie@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Gunning, Paul
Sent: Wed 6/18/2014 9:37:10 PM
Subject: Fw: Post-2020
[Post-2020 and 111\(d\) - 06-12-14.pptx](#)
[Carbon Pollution Standards - 2020 and 2030 06-30-2014 Version 8.docx](#)

This is for Sarahs meeting tomorrow

Paul

Sent from my BlackBerry 10 smartphone.



Joe –

I just wanted to follow up on my email from earlier in the week to give you an update. We hear that Rick Duke is looking to pull together another interagency post-2020 meeting next week, but it has not been scheduled yet. Rick is not planning on circulating the one pager, but is interested

Ex. 5 - Deliberative

The current version of the one pager (with the updated numbers) is attached.

Let me know if you have any questions.

Paul

-----Original Message-----

From: Gunning, Paul

Sent: Tuesday, June 10, 2014 2:02 PM

To: Joseph Goffman

Cc: Sarah Dunham; Jackie Krieger

Subject: FW: sharing post-2020 internal docs

Joe-

We got a call from our colleagues over at DOE (Brian Mignone/Elke) asking if it was OK for them to share our [REDACTED] **Ex. 5 - Deliberative**

[REDACTED] **Ex. 5 - Deliberative** A couple of things - I am assuming it would be OK to share the papers with CEQ as they likely have them already? Are you looped in on these post 2020 meetings? No one from OAR is currently invited or aware of these discussions as far as we know.

Paul

To: Goffman, Joseph[Goffman.Joseph@epa.gov]; McCabe, Janet[McCabe.Janet@epa.gov]
Cc: Dunham, Sarah[Dunham.Sarah@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]; Krieger, Jackie[Krieger.Jackie@epa.gov]
From: LeFranc, Maurice
Sent: Tue 6/17/2014 2:55:40 PM
Subject: FW: Ecofys

Joe:

See email chain below. Bill and I were pushed to engage on their analysis of the Clean Power Plan while in Bonn and did not feel a great need to do so. It now has come back to haunt us at home and has become a possible dialogue on our post-2020 commitment.

I have not responded to request in separate email to discuss this with CEQ this morning. Advice on how we want to handle this and who should engage (if anyone).

It seems to me that there will be numerous domestic and international NGOs who will make a cottage industry out of assessing any potential post-2020 commitment we claim.

Thanks.
Maurice

-----Original Message-----

From: Talley, Trigg [mailto:TalleyT@state.gov]

Sent: Tuesday, June 17, 2014 10:50 AM

To: Ex. 6 - Privacy, Nate Hultman Ex. 6 - Privacy, Rick Duke LeFranc, Maurice;

Ex. 6 - Privacy, Rama Zakaria

Cc: Artusio, Christo F

Subject: Re: Ecofys

I think that would be useful. I also think this group is poised to pronounce on whether our contribution meets the test of fairness; Niklas Hohne is the one of the primary architects of the 25-40% figure in IPCC. It's worth being prepared for this.

----- Original Message -----

From: Hultman, Nathan [mailto: Ex. 6 - Privacy

Sent: Tuesday, June 17, 2014 09:19 AM Eastern Standard Time

To: Duke, Rick Ex. 6 - Privacy Talley, Trigg; 'LeFranc.Maurice@epa.gov'

<LeFranc.Maurice@epa.gov>; Zakaria, Rama Ex. 6 - Privacy

Cc: Artusio, Christo F

Subject: RE: Ecofys

Yes, I've been looking at that study as well and I agree that (b)(5) deliberative

Ex. 5 - Deliberative

Maurice and I can connect to figure out how to proceed.

Nate

-----Original Message-----

From: Duke, Rick

Sent: Monday, June 16, 2014 9:47 PM

To: Talley, Trigg; 'LeFranc.Maurice@epa.gov'; Hultman, Nathan; Zakaria, Rama

Cc: Artusio, Christo F

Subject: RE: Ecofys

+ Nate and Rama

Nate: can you run this to ground? Would be good for you to connect directly with Maurice to discuss.

Thanks,

Rick

-----Original Message-----

From: Talley, Trigg [mailto:TalleyT@state.gov]

Sent: Monday, June 16, 2014 2:45 AM

To: Duke, Rick; 'LeFranc.Maurice@epa.gov'

Cc: Artusio, Christo F

Subject: Ecofys

I talked to Bill Hare of PIK, which is involved in the modeling

(b)(5) deliberative

(b)(5) deliberative

(b)(5) deliberative

Ex. 5 - Deliberative

To: Gunning, Paul[Gunning.Paul@epa.gov]
Cc: Dunham, Sarah[Dunham.Sarah@epa.gov]; Krieger, Jackie[Krieger.Jackie@epa.gov]; Harvey, Reid[Harvey.Reid@epa.gov]
From: Goffman, Joseph
Sent: Fri 6/13/2014 12:46:40 AM
Subject: RE: Post-2020

Thanks, Paul. Haven't heard anything about EOP's designs on another post-2020 meeting, but Rick is snooping around for data – although not clear for what purpose. Let's stay alert.
Thanks, again.

From: Gunning, Paul
Sent: Thursday, June 12, 2014 3:51 PM
To: Goffman, Joseph
Cc: Dunham, Sarah; Krieger, Jackie
Subject: Post-2020

Joe –

I just wanted to follow up on my email from earlier in the week to give you an update. We hear that Rick Duke is looking to pull together another interagency post-2020 meeting next week, but it has not been scheduled yet. Rick is not planning on circulating the one pager, but is interested

Ex. 5 - Deliberative

The current version of the one pager (with the updated numbers) is attached.

Let me know if you have any questions.

Paul

-----Original Message-----

From: Gunning, Paul

Sent: Tuesday, June 10, 2014 2:02 PM

To: Joseph Goffman

Cc: Sarah Dunham; Jackie Krieger

Subject: FW: sharing post-2020 internal docs

Joe-

We got a call from our colleagues over at DOE (Brian Mignone/Elke) asking if it was OK for them to share our:

Ex. 5 - Deliberative

Ex. 5 - Deliberative

A couple of things - I am assuming it would be OK to share the papers with CEQ as they likely have them already? Are you looped in on these post 2020 meetings? No one from OAR is currently invited or aware of these discussions as far as we know.

Paul

To: Dunham, Sarah[Dunham.Sarah@epa.gov]
Cc: Krieger, Jackie[Krieger.Jackie@epa.gov]
From: Gunning, Paul
Sent: Wed 5/21/2014 5:40:15 PM
Subject: FW: 111(d) reductions mapped onto the 2020 target and potential 2030 targets
[CPS - 17 x 2020 one pager 5 20 14 version 3.docx](#)
[Carbon Pollution Standards - 2020 and 2030 5-20-2014 Version 3.docx](#)

FYI.....

From: Goffman, Joseph
Sent: Tuesday, May 20, 2014 11:54 PM
To: Gunning, Paul
Subject: Fw: 111(d) reductions mapped onto the 2020 target and potential 2030 targets

Thank you for this.

From: Goffman, Joseph
Sent: Tuesday, May 20, 2014 10:28:08 PM
To: [Ex. 6 - Privacy, Administrator] Deputy Administrator; McCabe, Janet
Subject: Fw: 111(d) reductions mapped onto the 2020 target and potential 2030 targets

Please see note below and attachments. Per Bob's suggested approach after last Thursday's WH meeting. Thanks.

From: Joseph Goffman [Ex. 6 - Privacy]
Sent: Tuesday, May 20, 2014 10:26:17 PM
To: Goffman, Joseph
Subject: 111(d) reductions mapped onto the 2020 target and potential 2030 targets

Administrator, Bob, Janet -- As we have discussed we may be called on to [Ex. 5 - Deliberative]

Ex. 5 - Deliberative

To: Gunning, Paul[Gunning.Paul@epa.gov]
Cc: Dunham, Sarah[Dunham.Sarah@epa.gov]; Krieger, Jackie[Krieger.Jackie@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]; Harvey, Reid[Harvey.Reid@epa.gov]
From: Goffman, Joseph
Sent: Tue 5/20/2014 8:56:20 PM
Subject: Re: 2020 and Post-2020

Thanks!

From: Gunning, Paul
Sent: Tuesday, May 20, 2014 4:52:42 PM
To: Goffman, Joseph
Cc: Dunham, Sarah; Krieger, Jackie; Fawcett, Allen; Harvey, Reid
Subject: 2020 and Post-2020

Joe –

Attached are the two files 1) 2020 and 2) post-2020. As you will see the post-2020 piece also includes a discussion of our progress in 2020 as I thought it was really hard to tell the full story without including this. Let me know if you have any questions or need any changes.

Thanks

Paul

202-343-9736

From: Goffman, Joseph
Sent: Tuesday, May 20, 2014 11:45 AM
To: Gunning, Paul
Subject: RE:

And, of course, if you all can approximate this template for 2030 that would be great. Thanks, again.

From: Gunning, Paul
Sent: Tuesday, May 20, 2014 9:35 AM
To: Goffman, Joseph
Subject:

Paul M. Gunning
Director, Climate Change Division
U.S. EPA (6207J)
1200 Pennsylvania Avenue
Washington, DC 20460

Direct (202) 343-9736
Fax (202) 343-2202
Cell (202) 251-1436

Office Address - Overnight Mail
US EPA
1310 L Street, NW
Washington, DC 20005

To: Dunham, Sarah[Dunham.Sarah@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]; Harvey, Reid[Harvey.Reid@epa.gov]
Cc: Krieger, Jackie[Krieger.Jackie@epa.gov]
From: Fawcett, Allen
Sent: Thur 3/27/2014 8:26:21 PM
Subject: RE: i have a couple questions and suggested edits to the document paul gvea me earlier

Ex. 5 - Deliberative

[v2.docx](#)

Sarah,

Here is the revised version incorporating your edits. Both Paul and Reid have reviewed. Let me know if you need anything else.

Allen

From: Dunham, Sarah
Sent: Thursday, March 27, 2014 3:09 PM
To: Gunning, Paul; Fawcett, Allen; Harvey, Reid
Cc: Krieger, Jackie
Subject: i have a couple questions and suggested edits to the document paul gvea me earlier

Who can I give them to to get get changes asap?

To: Dunham, Sarah[Dunham.Sarah@epa.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]
Cc: LeFranc, Maurice[LeFranc.Maurice@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov];
Krieger, Jackie[Krieger.Jackie@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]
From: McCabe, Janet
Sent: Fri 3/7/2014 5:34:09 AM
Subject: RE: GHG Emission Projections

Thanks, Sarah, and not to worry about your conflict for the post 2020 meeting this evening. Joe, Maurice, Allen and I held down the fort. An interesting discussion...

From: Dunham, Sarah
Sent: Thursday, March 06, 2014 1:43 PM
To: McCabe, Janet; Goffman, Joseph
Cc: LeFranc, Maurice; Fawcett, Allen; Krieger, Jackie; Gunning, Paul
Subject: GHG Emission Projections

Janet-

I am attaching a one-pager that I would look at as a starting draft that responds to the Administrator's

Ex. 5 - Deliberative

I also am sending it now also as it is probably relevant for you as background for the 5:00 conversation today on post 2020. On that meeting, I am sorry I hadn't figured out and mentioned to you earlier that unfortunately neither Paul nor I can attend today (I did not see a call-in line, could call-in if there was one available), but Allen is planning on attending (and he has had the most consistent participation in and substantive contribution to the post 2020 technical discussions).

Thanks
Sarah

To: Dunham, Sarah[Dunham.Sarah@epa.gov]
Cc: Friedman, Kristina[Friedman.Kristina@epa.gov]
From: Krieger, Jackie
Sent: Thur 3/6/2014 5:29:42 PM
Subject: GHG Emission Projections
[GHG Emission Projections.docx](#)

Sarah: Here is the file (clean) with the changes. Kristina: Sarah thought the paper was great and just had a couple of edits which I made and will explain when we talk.

Jackie Krieger / Chief of Staff / Office of Atmospheric Programs / U.S. EPA / O: 202-343-9905 / C: 202-236-3934

To: Dunham, Sarah[Dunham.Sarah@epa.gov]
Cc: Krieger, Jackie[Krieger.Jackie@epa.gov]
From: Friedman, Kristina
Sent: Thur 3/6/2014 2:28:09 AM
Subject: GHG Projections Draft
[GHG Emission Projections.docx](#)

Attached please find a rough draft of the revised GHG Emissions Projections one-pager based on your earlier comments. It might still be a bit more than you need. Please let me know if you have any further edits or if I misunderstood any of your directions from this morning. I apologize for taking so long to get this back to you.

Thanks,

Kristina

Kristina Friedman

Office of Atmospheric Programs

U.S. Environmental Protection Agency

Phone: (202) 343-9281

To: Dunham, Sarah[Dunham.Sarah@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]
Cc: Krieger, Jackie[Krieger.Jackie@epa.gov]
From: Fawcett, Allen
Sent: Fri 2/21/2014 8:46:01 PM
Subject: RE: slides for post-2020 meeting

The CAR baseline includes all policies enacted before 2012. Here is the relevant text from the CAR on HFC's:

Non-CO2 (CH4, N2O, HFCs, PFCs, and SF6) and non-energy CO2 emission projections are developed by EPA. Specific calculations to project emissions from each source category are detailed within Methodologies for U.S. Greenhouse Gas Emissions Projections: Non-CO2 and Non-Energy CO2 Sources (U.S. EPA 2013b). These projections use inventory methodologies to estimate emissions in future years based on projected changes in activity data and emission factors. Activity data used vary for each source, but include macroeconomic drivers, such as population, GDP, and energy, and source-specific activity data, such as production and use of fossil fuels and industrial production levels for iron and steel, cement, aluminum, and other products.

...

HFCs, PFCs, and SF6 Emissions

HFC emissions are estimated to increase by 80 percent between 2005 and 2020. Over the same period, PFC and SF6 emissions are estimated to decline somewhat through increased voluntary control. HFC emissions are increasing because of greater demand for refrigeration and air conditioning and because HFCs are predominantly used as alternatives for ODSs, such as hydrochlorofluorocarbons (HCFCs) that are being phased out under the Montreal Protocol. HFC-23 is also emitted as a by-product during the manufacture of HCFC-22. Both HFCs and HCFCs are GHGs, but HCFCs are not included here consistent with the United Nations Framework Convention on Climate Change (UNFCCC) guidelines (UNFCCC 2006). Growth of HFCs is anticipated to continue well beyond 2020 if left unconstrained. Other sources of HFCs, PFCs, and SF6 in industrial production include aluminum, magnesium, and semiconductor manufacturing and, in the case of SF6, electricity transmission and distribution. These projections assume that voluntary emission reductions will be made in the aluminum and semiconductor industries as part of efforts to meet global voluntary reduction goals (U.S. EPA 2013b).

From: Dunham, Sarah
Sent: Friday, February 21, 2014 3:26 PM
To: Fawcett, Allen; Gunning, Paul

Cc: Krieger, Jackie
Subject: Re: slides for post-2020 meeting

Sounds ok to me although I don't know what that is with respect to hfcs?

From: Fawcett, Allen
Sent: Friday, February 21, 2014 8:13:03 PM
To: Dunham, Sarah; Gunning, Paul
Cc: Krieger, Jackie
Subject: Re: slides for post-2020 meeting

Could we characterize Ex. 5 - Deliberative
Ex. 5 - Deliberative?

From: Dunham, Sarah
Sent: Friday, February 21, 2014 3:06:44 PM
To: Fawcett, Allen; Gunning, Paul
Cc: Krieger, Jackie
Subject: Re: slides for post-2020 meeting

Better, but do we really need to Ex. 5 - Deliberative?

From: Fawcett, Allen
Sent: Friday, February 21, 2014 8:02:20 PM
To: Dunham, Sarah; Gunning, Paul
Cc: Krieger, Jackie
Subject: RE: slides for post-2020 meeting

How is this?

Allen

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Dunham, Sarah
Sent: Friday, February 21, 2014 2:58 PM
To: Fawcett, Allen; Gunning, Paul
Cc: Krieger, Jackie
Subject: Re: slides for post-2020 meeting

(b)(5) deliberative

Ex. 5 - Deliberative

From: Fawcett, Allen
Sent: Friday, February 21, 2014 7:53:34 PM
To: Dunham, Sarah; Gunning, Paul
Cc: Krieger, Jackie
Subject: RE: slides for post-2020 meeting

Sarah,

The only substantive change from what Paul sent yesterday is the addition of the two HFC slides from Cindy and Dave. I've pasted content of those two slides below if you're able to review on your blackberry.

Allen

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Dunham, Sarah
Sent: Friday, February 21, 2014 2:48 PM
To: Fawcett, Allen; Gunning, Paul
Cc: Krieger, Jackie
Subject: Re: slides for post-2020 meeting

Jackie, I won't be able to look at these until I'm back close to 4. Which cuts it close if I have any concerns with sharing these with the WH. Anyway to get me a copy in the clinton bldg?

From: Fawcett, Allen
Sent: Friday, February 21, 2014 7:26:55 PM
To: Gunning, Paul; Dunham, Sarah
Cc: Krieger, Jackie
Subject: RE: slides for post-2020 meeting

Here are the updated non-CO2 slides including Cindy and Dave's HFC slides.

Allen

From: Gunning, Paul
Sent: Thursday, February 20, 2014 4:09 PM
To: Dunham, Sarah
Cc: Krieger, Jackie; Fawcett, Allen
Subject: slides for post-2020 meeting

Sarah –

Attached are the slides that we are proposing to bring to the meeting tomorrow. **Ex. 5 - Deliberative**

Ex. 5 - Deliberative

Ex. 5 - Deliberative

We will be sharing this with Maurice as well.

Let us know if you have any questions or concerns.

To: Jonathan.Pershing@hq.doe.gov[Jonathan.Pershing@hq.doe.gov];
judith.greenwald@hq.doe.gov[judith.greenwald@hq.doe.gov]; Mignone,
Bryan[Bryan.Mignone@hq.doe.gov]; Hodson, Elke (FELLOW)
(Elke.Hodson@Hq.Doe.Gov)[Elke.Hodson@Hq.Doe.Gov];
john.larsen@hq.doe.gov[john.larsen@hq.doe.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov];
McCabe, Janet[McCabe.Janet@epa.gov]; LeFranc, Maurice[LeFranc.Maurice@epa.gov]; Dunham,
Sarah[Dunham.Sarah@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]; Fawcett,
Allen[Fawcett.Allen@epa.gov]; 'TalleyT@state.gov'[TalleyT@state.gov];
ArtusioCF@state.gov[ArtusioCF@state.gov]; Schuler, Reed M
(SchulerRM@state.gov)[SchulerRM@state.gov]; Shadbegian,
Ron[]; Bodnar, Paul[]; Hultman,
Nathan[];
Cc: Duke, Rick[];
From: Ulman, Christie
Sent: Wed 2/12/2014 12:43:31 AM
Subject: Follow-up from today's Post 2020 Discussion

Hi all,

Thanks to those of you who could join for the continued productive discussion today. Below is what we gathered in terms of next steps/follow-up from today's meeting:

• EOP

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b(5) deliberative

• EPA

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o
o

b(5) deliberative

We're planning to host the next working-level interagency discussion during the week of Feb 17th (likely Friday to give people time to prepare for the CAR in-country review).

Proposed agenda for the next discussion:

• **b(5) deliberative**

b(5) deliberative

Let us know of any questions/concerns.

Thanks,

Christie

Christie Ulman

Deputy Associate Director
Energy and Climate Change
White House Council on Environmental Quality

To: Dunham, Sarah[Dunham.Sarah@epa.gov]
From: Krieger, Jackie
Sent: Mon 2/10/2014 6:35:52 PM
Subject: Fw: background for post-2020 meeting
DRAFT analysis feb 4 2014.docx

I just read this quickly - wanted to get your reaction.

From: Fawcett, Allen
Sent: Monday, February 10, 2014 6:28:27 PM
To: Kocchi, Suzanne; Krieger, Jackie
Cc: Gunning, Paul
Subject: RE: background for post-2020 meeting

Here's the background for tomorrow's post-2020 meeting. The original backgrounder from last week is also attached. Jackie, I'm free at 4 this afternoon if you'd like to talk.

Allen

Ex. 5 - Deliberative

From: LeFranc, Maurice
Sent: Tuesday, February 04, 2014 2:02 PM
To: Fawcett, Allen; Krieger, Jackie; Gunning, Paul; Dunham, Sarah; Kocchi, Suzanne
Subject: background for post-202 meeting

Allen/Jackie:

I took Allen's email and turned it into a one-pager (attached). I made copies and left it with Kristien to give to Janet, Joe and Sarah when she see them later this afternoon.

Maurice

Maurice N. LeFranc, Jr.
Senior Advisor for International Climate Change
Office of Air and Radiation
U.S. Environmental Protection Agency
Office Phone: 202-564-1813
Mobile: 202-450-7863

To: Dunham, Sarah[Dunham.Sarah@epa.gov]
From: Krieger, Jackie
Sent: Tue 2/4/2014 4:35:58 PM
Subject: FW: post 2020 meeting today

Made a mistake –Janet is calling in Maurice now says.

From: Krieger, Jackie
Sent: Tuesday, February 04, 2014 11:18 AM
To: Dunham, Sarah
Subject: FW: post 2020 meeting today

Background points from Allen – let me know what you think. Maurice told me that Janet is not going, which makes sense.

Post-2020 Meetings

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

To: LeFranc, Maurice[LeFranc.Maurice@epa.gov]
Cc: Stewart, Lori[Stewart.Lori@epa.gov]; Dunham, Sarah[Dunham.Sarah@epa.gov]
From: McCabe, Janet
Sent: Mon 1/13/2014 11:48:57 PM
Subject: RE: Follow up to list of topics for Todd Stern meeting tomorrow

This is very helpful, Maurice, thank you.

From: LeFranc, Maurice
Sent: Monday, January 13, 2014 2:00 PM
To: McCabe, Janet
Cc: Stewart, Lori; Dunham, Sarah
Subject: Follow up to list of topics for Todd Stern meeting tomorrow

Janet:

I have slightly revised this list of topics after speaking with Dave Turk, one of Todd's deputies, on Friday. I think it would be helpful if you provide a brief overview of the key regulatory work we are in the middle of now. I don't believe Todd has a detailed understanding of our work and it would be helpful to provide this to him. In addition, here is the list of topics in order that Dave and I feel they will come up.

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Let me know if you have questions or need more detail on this.
Maurice

Maurice N. LeFranc, Jr.
Senior Advisor for International Climate Change
Office of Air and Radiation
U.S. Environmental Protection Agency
Office Phone: 202-564-1813
Mobile: 202-450-7863

To: Dunham, Sarah[Dunham.Sarah@epa.gov]
From: Gunning, Paul
Sent: Tue 12/17/2013 5:07:55 PM
Subject: RE: Background for post-2020 discussion

No problem

From: Dunham, Sarah
Sent: Tuesday, December 17, 2013 12:07 PM
To: Gunning, Paul
Subject: Re: Background for post-2020 discussion

Thx--can you bring me a hard copy this afternoon?

From: Gunning, Paul
Sent: Tuesday, December 17, 2013 5:06:22 PM
To: Dunham, Sarah
Subject: Background for post-2020 discussion

Sarah –

I realize you are on you BB today so I have included this text below. As I mentioned yesterday, I asked Bill to pull together some thoughts on the the issues that are likely to come up at some point in this discussion. This is not a complete strategy of what we want to see as an outcome, but rather a starting point to frame our thinking. I think one of the most controversial issues is

Ex. 5 - Deliberative

Paul

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

To: LeFranc, Maurice[LeFranc.Maurice@epa.gov]; Dunham, Sarah[Dunham.Sarah@epa.gov]
From: Beauvais, Joel
Sent: Tue 10/22/2013 10:27:03 PM
Subject: RE: CEQ supported analysis for post-2020 commitment

BTW, I think the initial State mtg may be consistent with Rick's statement that they were first

Ex. 5 - Deliberative

From: LeFranc, Maurice
Sent: Tuesday, October 22, 2013 4:48 PM
To: Dunham, Sarah; Beauvais, Joel
Subject: RE: CEQ supported analysis for post-2020 commitment

I will connect with Allen tomorrow afternoon. Jackie and I had a brief chat about this right after we got back.

From: Dunham, Sarah
Sent: Tuesday, October 22, 2013 4:36:39 PM
To: LeFranc, Maurice; Beauvais, Joel
Subject: Re: CEQ supported analysis for post-2020 commitment

My memory when we last talked about this was that we were going to talk to allen about coming

Ex. 5 - Deliberative

Ex. 5 - Deliberative

? I had passed that along but I think maurice you were going to talk to allen as well. Sounds like we should if possible understand what doe is doing, but Allen can reach out to DOE as well if that makes sense.

From: LeFranc, Maurice
Sent: Tuesday, October 22, 2013 8:24:41 PM
To: Beauvais, Joel; Dunham, Sarah
Subject: CEQ supported analysis for post-2020 commitment

In speaking with one of the State climate people yesterday they let slip that DOE came over to State (I believe either with, or at the request of, Rick Duke) with some form of

modeling/analysis to begin discussions on the post-2020 commitments. I also am on a UNFCCC call with State and they mentioned that CEQ intended to hold an interagency meeting on post-2020 commitments before the Warsaw COP. I can explore further what has transpired if you are interested.

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

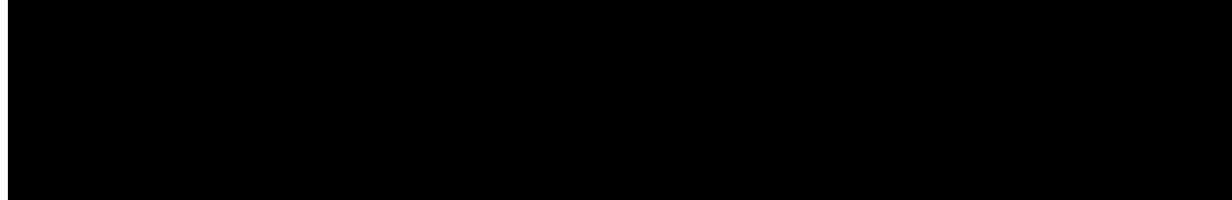
Office Phone: 202-564-1813

Mobile: 202-450-7863

To: Fawcett, Allen[Fawcett.Allen@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]
Cc: Krieger, Jackie[Krieger.Jackie@epa.gov]
From: Dunham, Sarah
Sent: Thur 10/16/2014 4:24:39 PM
Subject: Re: Calculations of the emissions impact from oil/gas methane standards

Ok thanks.

Sent from my BlackBerry 10 smartphone.



Sarah,

Our oil & gas team is reviewing this analysis now. They have been in touch with Jeremy and EDF recently on GHGRP data issues, and can reach out to them to set up a meeting on this topic soon.

Allen

From: Dunham, Sarah
Sent: Wednesday, October 15, 2014 1:38 PM
To: Gunning, Paul; Fawcett, Allen
Cc: Krieger, Jackie
Subject: Re: Calculations of the emissions impact from oil/gas methane standards

Should we ask EDF to talk to us about the analysis.

Sent from my BlackBerry 10 smartphone.

From: Gunning, Paul

Sent: Wednesday, October 15, 2014 1:05 PM

To: Dunham, Sarah; Fawcett, Allen

Cc: Krieger, Jackie

Subject: RE: Calculations of the emissions impact from oil/gas methane standards

We have not, but we will take a look and give you our take. In reflecting on past analysis, I can

Ex. 5 - Deliberative

From: Dunham, Sarah

Sent: Wednesday, October 15, 2014 12:42 PM

To: Gunning, Paul; Fawcett, Allen

Cc: Krieger, Jackie

Subject: Fw: Calculations of the emissions impact from oil/gas methane standards

Have you guys looked at this? We'll need an internal assessment and/or response to this analysis. Would it be helpful to meet with EDF and have them walk us thru their analysis?

Sent from my BlackBerry 10 smartphone.

From: Goffman, Joseph

Sent: Wednesday, October 8, 2014 5:51 PM

To: Dunham, Sarah; Tsirigotis, Peter; Gunning, Paul; Fawcett, Allen

Subject: FW: Calculations of the emissions impact from oil/gas methane standards

From: Jeremy Symons [<mailto:jsymons@edf.org>]

Sent: Wednesday, October 08, 2014 4:16 PM

To: Goffman, Joseph

Cc: Vickie Patton; Elizabeth Thompson

Subject: Calculations of the emissions impact from oil/gas methane standards

Hi Joe,

Following up on my call, I am forwarding some tables and explanation of our calculations assessing how new EPA standards that directly regulate methane emissions from onshore oil and gas can contribute to the President's goal of achieving a 17% reduction in GHG emissions by 2020 and also support strong US post-2020 targets for Paris. I have also attached our calculations. We are happy to answer any questions and welcome any feedback.

All the best, Jeremy.

~~~~~

**Ex. 5 - Deliberative**

# **Ex. 5 - Deliberative**

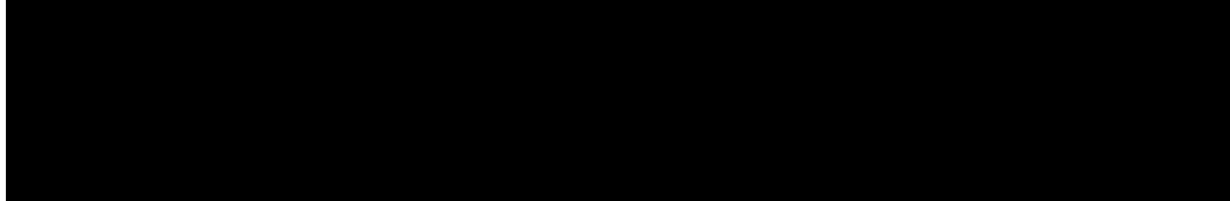
## **Ex. 5 - Deliberative**

This e-mail and any attachments may contain confidential and privileged information. If you are not the intended recipient, please notify the sender immediately by return e-mail, delete this e-mail and destroy any copies. Any dissemination or use of this information by a person other than the intended recipient is unauthorized and may be illegal.

**To:** Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Wed 9/10/2014 2:10:01 PM  
**Subject:** Fw: CEQ/DPC question on MP amendment and expected post-2020 reductions

This isn't that hard. I'm guessing maurice will be frustrated

Sent from my BlackBerry 10 smartphone.



## Ex. 5 - Deliberative

**From:** LeFranc, Maurice  
**Sent:** Wednesday, September 10, 2014 8:54 AM  
**To:** Newberg, Cindy  
**Cc:** Krieger, Jackie; Fawcett, Allen; Godwin, Dave; Dunham, Sarah  
**Subject:** RE: CEQ/DPC question on MP amendment and expected post-2020 reductions

Thanks – just to be clear for me.

## Ex. 5 - Deliberative

This is the question CEQ is asking. Thanks.

**From:** Newberg, Cindy  
**Sent:** Tuesday, September 09, 2014 4:58 PM  
**To:** LeFranc, Maurice  
**Cc:** Krieger, Jackie; Fawcett, Allen; Godwin, Dave; Dunham, Sarah  
**Subject:** FW: CEQ/DPC question on MP amendment and expected post-2020 reductions

Hi Maurice –

## Ex. 5 - Deliberative

-Cindy

**From:** Dunham, Sarah  
**Sent:** Tuesday, September 09, 2014 11:18 AM  
**To:** Newberg, Cindy  
**Cc:** Krieger, Jackie  
**Subject:** FW: CEQ/DPC question on MP amendment and expected post-2020 reductions

Can you please answer maurice

**From:** LeFranc, Maurice  
**Sent:** Tuesday, September 09, 2014 11:04 AM  
**To:** Dunham, Sarah  
**Cc:** Fawcett, Allen; Krieger, Jackie  
**Subject:** CEQ/DPC question on MP amendment and expected post-2020 reductions

Sarah:

I got a call from CEQ late yesterday and one of their questions was

**Ex. 5 - Deliberative**

## **Ex. 5 - Deliberative**

Do you have an answer for them? Thanks.

Maurice

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

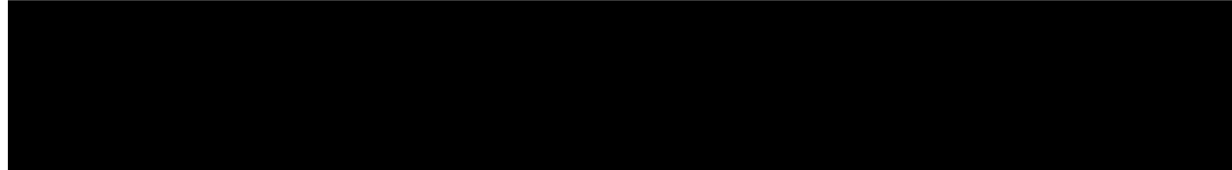
U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

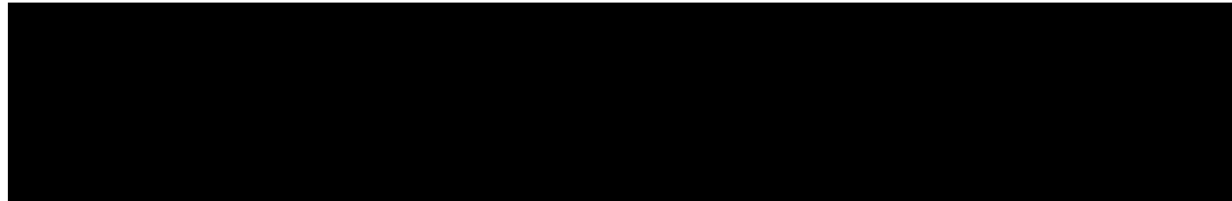


**To:** Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Wed 7/2/2014 5:17:09 PM  
**Subject:** Fw: China question



May ask you for your quick thoughts on this, since Maurice is off line. Will send you separately the document Todd is referring to. Thanks.

Joe Goffman



Hi guys. Quick question. We're scrambling to get ready for the S&ED trip, leaving Sunday. As I think you know, we have a whole day mapped out with the Chinese on July 8, a day before the actual S&ED, to follow through on agreement Kerry reached with them in February to collaborate in the development of our post-2020 targets.

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative** Thoughts?

**To:** Fawcett, Allen[Fawcett.Allen@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]  
**Cc:** Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Fri 3/7/2014 9:27:20 PM  
**Subject:** Re: I would love a read out on the mtg last night

Thanks

---

**From:** Fawcett, Allen  
**Sent:** Friday, March 07, 2014 8:44:12 PM  
**To:** Dunham, Sarah; Gunning, Paul  
**Cc:** Krieger, Jackie  
**Subject:** Re: I would love a read out on the mtg last night

The meeting went well. The whole focus was getting Podesta up to speed on the post-2020 process, with the following agenda:

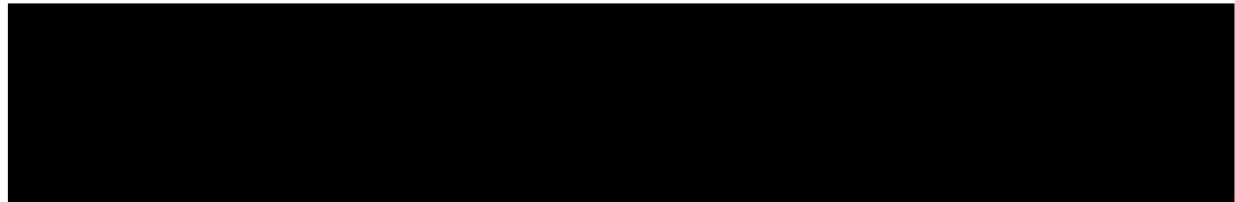
# Ex. 5 - Deliberative

# Ex. 5 - Deliberative

No next steps were laid out at the meeting, but there was plenty left to discuss when we ended, so there may be a follow-up meeting in a few weeks.

Let me know if you have any questions or want to discuss more next week.

Allen



Fyi, in future, even a voice mail right after the mtg would be sufficient and useful.  
Thanks

**To:** Fawcett, Allen[Fawcett.Allen@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]  
**Cc:** Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Fri 2/21/2014 8:47:40 PM  
**Subject:** Re: slides for post-2020 meeting

Sent too soon. I think this

Ex. 5 - Deliberative

## Ex. 5 - Deliberative

**From:** Dunham, Sarah  
**Sent:** Friday, February 21, 2014 8:44:56 PM  
**To:** Fawcett, Allen; Gunning, Paul  
**Cc:** Krieger, Jackie  
**Subject:** Re: slides for post-2020 meeting

Oh, now that I think of it this would mean we

**From:** Dunham, Sarah  
**Sent:** Friday, February 21, 2014 8:25:47 PM  
**To:** Fawcett, Allen; Gunning, Paul  
**Cc:** Krieger, Jackie  
**Subject:** Re: slides for post-2020 meeting

Sounds ok to me although I don't know

Ex. 5 - Deliberative

**From:** Fawcett, Allen  
**Sent:** Friday, February 21, 2014 8:13:03 PM  
**To:** Dunham, Sarah; Gunning, Paul  
**Cc:** Krieger, Jackie  
**Subject:** Re: slides for post-2020 meeting

Could we characterize

Ex. 5 - Deliberative

Ex. 5 - Deliberative

**From:** Dunham, Sarah  
**Sent:** Friday, February 21, 2014 3:06:44 PM  
**To:** Fawcett, Allen; Gunning, Paul  
**Cc:** Krieger, Jackie  
**Subject:** Re: slides for post-2020 meeting

Better, but do we really need to

Ex. 5 - Deliberative

**From:** Fawcett, Allen  
**Sent:** Friday, February 21, 2014 8:02:20 PM  
**To:** Dunham, Sarah; Gunning, Paul  
**Cc:** Krieger, Jackie  
**Subject:** RE: slides for post-2020 meeting

How is this?

Allen

# **Ex. 5 - Deliberative**

# Ex. 5 - Deliberative

**From:** Dunham, Sarah  
**Sent:** Friday, February 21, 2014 2:58 PM  
**To:** Fawcett, Allen; Gunning, Paul  
**Cc:** Krieger, Jackie  
**Subject:** Re: slides for post-2020 meeting

I do not want

Ex. 5 - Deliberative

**Ex. 5 - Deliberative**

---

**From:** Fawcett, Allen  
**Sent:** Friday, February 21, 2014 7:53:34 PM  
**To:** Dunham, Sarah; Gunning, Paul  
**Cc:** Krieger, Jackie  
**Subject:** RE: slides for post-2020 meeting

Sarah,

The only substantive change from what Paul sent yesterday is the addition of the two HFC slides from Cindy and Dave. I've pasted content of those two slides below if you're able to review on your blackberry.

Allen

## **Ex. 5 - Deliberative**



# Ex. 5 - Deliberative

**From:** Dunham, Sarah  
**Sent:** Friday, February 21, 2014 2:48 PM  
**To:** Fawcett, Allen; Gunning, Paul  
**Cc:** Krieger, Jackie  
**Subject:** Re: slides for post-2020 meeting

Jackie, I won't be able to look at these until I'm back close to 4. Which cuts it close if I have any concerns with sharing these with the WH. Anyway to get me a copy in the clinton bldg?

---

**From:** Fawcett, Allen  
**Sent:** Friday, February 21, 2014 7:26:55 PM  
**To:** Gunning, Paul; Dunham, Sarah  
**Cc:** Krieger, Jackie

**Subject:** RE: slides for post-2020 meeting

Here are the updated non-CO2 slides including Cindy and Dave's HFC slides.

Allen

**From:** Gunning, Paul  
**Sent:** Thursday, February 20, 2014 4:09 PM  
**To:** Dunham, Sarah  
**Cc:** Krieger, Jackie; Fawcett, Allen  
**Subject:** slides for post-2020 meeting

Sarah –

Attached are the slides that we are proposing to bring to the meeting tomorrow. **Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

We will be sharing this with Maurice as well.

Let us know if you have any questions or concerns.

Paul

**To:** Gunning, Paul[Gunning.Paul@epa.gov]  
**Cc:** Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Wed 2/5/2014 10:17:02 PM  
**Subject:** RE: US and China analysis

Ok I think. Although I probably should understand better

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

**From:** Gunning, Paul  
**Sent:** Wednesday, February 05, 2014 5:03 PM  
**To:** Dunham, Sarah  
**Subject:** FW: US and China analysis

Sarah –

As expected, State Dept. reached out to Allen following our 2020 meeting last week to talk about

**Ex. 5 - Deliberative**

State (staff level) is looking to come over on Monday to discuss this. The attached slides have the information that we would share and we have also flagged this meeting for Maurice. This was not a heavy lift for us and I think it will be very useful for State.

Let me know if you want to discuss this or have any questions/concerns.

Paul

**From:** Fawcett, Allen [mailto:Fawcett.Allen@epa.gov]  
**Sent:** Sunday, February 02, 2014 10:32 AM  
**To:** Schuler, Reed M  
**Cc:** Light, Andrew E; Reidmiller, David R; Akhtar, Farhan H; McFarland, James; Creason, Jared  
**Subject:** Re: US and China analysis

Hi Reed,

Thanks for sharing. We're working on:

Ex. 5 - Deliberative

## Ex. 5 - Deliberative

Ex. 5 - Deliberative A meeting in a week or so to discuss our various efforts sounds like a good idea, let us know some times that work for you and we can try to get something on our calendars.

Best,  
Allen

---

**From:** Schuler, Reed M <SchulerRM@state.gov>  
**Sent:** Friday, January 31, 2014 6:38:14 PM  
**To:** Fawcett, Allen  
**Cc:** Light, Andrew E; Reidmiller, David R; Akhtar, Farhan H  
**Subject:** US and China analysis

Hi Allen,

It was good to see you at the post-2020 meeting yesterday. Our team has been developing some  
Ex. 5 - Deliberative I'm attaching this  
so you can see what we're up to, as I know Todd asked you if you could work up some similar analysis.

## Ex. 5 - Deliberative

In any case, it would also be great for us to stay looped in on what you're doing, so we can prepare to discuss with Todd and compare to our own efforts. What is your understanding of what you're working on at the moment?

In addition, Farhan, a AAAS Fellow with us (CC'ed here,) would love to come chat with you about the attached documents and your work soon – probably early the week after next – maybe right before the next meeting?

Thanks very much!

Best,

Reed

**Reed Schuler**

Office of Global Change

U.S. Department of State

(202) 647-4875

SBU

This email is UNCLASSIFIED.

**To:** Gunning, Paul[Gunning.Paul@epa.gov]  
**Cc:** Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Mon 1/27/2014 10:10:00 PM  
**Subject:** Post 2020 mtg

Who is attending--janet is going, I heard you asked that bill be added--does that mean paul you are not going? Seems like a lot to have allen bill you me all attending.

**To:** Gunning, Paul[Gunning.Paul@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Thur 1/16/2014 1:55:56 PM  
**Subject:** Re: Briefing Documents - Post-2020 Strategy @12:00pm

Ok

---

**From:** Gunning, Paul  
**Sent:** Thursday, January 16, 2014 1:55:03 PM  
**To:** Dunham, Sarah  
**Subject:** RE: Briefing Documents - Post-2020 Strategy @12:00pm

Yes, I have reviewed them and gave input to Bill/Maurice.

**From:** Dunham, Sarah  
**Sent:** Thursday, January 16, 2014 8:47 AM  
**To:** Gunning, Paul  
**Subject:** Re: Briefing Documents - Post-2020 Strategy @12:00pm

Did you review them first?

---

**From:** Gunning, Paul  
**Sent:** Thursday, January 16, 2014 1:37:27 PM  
**To:** Dunham, Sarah  
**Subject:** FW: Briefing Documents - Post-2020 Strategy @12:00pm

Sarah – I got your voice mail on this, the policy piece does not lay out any specific recommendations at this point, but we outline the key issues and considerations to facilitate our discussion with Janet. The analytical work that we are engaged in will provide important input to helping us formulate positions on some of these questions. We also had Maurice provide his input to both the policy considerations and the analytical piece before sending along.

Paul



**From:** Friedman, Kristina  
**Sent:** Wednesday, January 15, 2014 10:54 PM  
**To:** Gunning, Paul  
**Subject:** Fw: Briefing Documents - Post-2020 Strategy @12:00pm

Hi Paul,

I assume Bill and Allen already cleared these with you for tomorrow's meeting, but when Sarah asked me about it, I wanted to confirm with you before I replied to her. She did not have a chance to look at them today.

Thanks,  
Kristina

Kristina Friedman  
Office of Atmospheric Programs  
U.S. Environmental Protection Agency  
Phone: (202) 343-9281

---

**From:** Friedman, Kristina  
**Sent:** Wednesday, January 15, 2014 6:27:08 PM  
**To:** OAR Special Assistants  
**Cc:** Krieger, Jackie  
**Subject:** Briefing Documents - Post-2020 Strategy @12:00pm

Sorry for the delay on these, here are the two documents for tomorrow's 12pm meeting.

I don't think you need anything else from OAP for tomorrow, but let me know if I'm wrong.

Thanks,  
Kristina

*Kristina Friedman*

*Office of Atmospheric Programs*

*U.S. Environmental Protection Agency*

*Phone: (202) 343-9281*

**From:** Dunham, Sarah  
**Location:** eeob - TBD  
**Importance:** Normal  
**Subject:** Accepted: HOLD: Post 2020 Discussion  
**Start Date/Time:** Thur 1/30/2014 7:00:00 PM  
**End Date/Time:** Thur 1/30/2014 8:00:00 PM

**To:** Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Mon 1/13/2014 11:50:23 PM  
**Subject:** Re: Follow up to list of topics for Todd Stern meeting tomorrow

That's helpful. Paul or you should point out to maurice that we are not just waiting for states reaction to our briefing...

---

**From:** Krieger, Jackie  
**Sent:** Monday, January 13, 2014 11:02:44 PM  
**To:** Dunham, Sarah  
**Subject:** FW: Follow up to list of topics for Todd Stern meeting tomorrow

Let me know what you think.

**From:** Gunning, Paul  
**Sent:** Monday, January 13, 2014 5:02 PM  
**To:** Krieger, Jackie  
**Subject:** RE: Follow up to list of topics for Todd Stern meeting tomorrow

Jackie,

I hope this is helpful.....

# Ex. 5 - Deliberative

# **Ex. 5 - Deliberative**

---

Janet:

I have slightly revised this list of topics after speaking with Dave Turk, one of Todd's deputies, on Friday. I think it would be helpful if you provide a brief overview of the key regulatory work we are in the middle of now. I don't believe Todd has a detailed understanding of our work and it would be helpful to provide this to him. In addition, here is the list of topics in order that Dave and I feel they will come up.

# **Ex. 5 - Deliberative**

# **Ex. 5 - Deliberative**

Let me know if you have questions or need more detail on this.

Maurice

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

**To:** Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Mon 1/13/2014 7:55:27 PM  
**Subject:** FW: Follow up to list of topics for Todd Stern meeting tomorrow

Fyi, and can you please get from paul or whoever some background on the below? Pls see

**Ex. 5 - Deliberative**

any updates I should be aware of from our folks?

**From:** LeFranc, Maurice  
**Sent:** Monday, January 13, 2014 2:01 PM  
**To:** McCabe, Janet  
**Cc:** Stewart, Lori; Dunham, Sarah  
**Subject:** Follow up to list of topics for Todd Stern meeting tomorrow

Janet:

I have slightly revised this list of topics after speaking with Dave Turk, one of Todd's deputies, on Friday. I think it would be helpful if you provide a brief overview of the key regulatory work we are in the middle of now. I don't believe Todd has a detailed understanding of our work and it would be helpful to provide this to him. In addition, here is the list of topics in order that Dave and I feel they will come up.

# Ex. 5 - Deliberative



# **Ex. 5 - Deliberative**

Let me know if you have questions or need more detail on this.

Maurice

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

**To:** Murphy, Tina[Murphy.Tina@epa.gov]; Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Thur 12/5/2013 10:32:00 PM  
**Subject:** Fw: Post 2020 meeting postponed until 12/17

---

From: Goffman, Joseph  
Sent: Thursday, December 05, 2013 10:03:07 PM  
To: LeFranc, Maurice  
Cc: Gunning, Paul; Dunham, Sarah; Browne, Cynthia  
Subject: Post 2020 meeting postponed until 12/17

**To:** Krieger, Jackie[Krieger.Jackie@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Wed 10/30/2013 2:30:21 PM  
**Subject:** Re: post 2020 discussion

Sounds good

---

**From:** Krieger, Jackie  
**Sent:** Wednesday, October 30, 2013 2:24:05 PM  
**To:** Dunham, Sarah  
**Subject:** post 2020 discussion

Sarah: I spoke with Paul about the mtg you attended late Mon and the follow up discussion we need to have. Unfortunately both Bill and Allen are out this week. We think that we should schedule our mtg for next week when Allen and Bill are back (most likely Weds after the CH4 hrng), but you could kick start the discussion sooner with Paul during your weekly on Friday – to share your reactions to Jonathan’s presentation and then Paul can get his folks thinking about what OAP should be doing and prepare for a group discussion next week. Let me know if you’d like to handle differently.

**To:** Ulman, Christie [Ex. 6 - Privacy], Beauvais, Joel [Beauvais.Joel@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Thur 10/24/2013 9:00:32 PM  
**Subject:** Re: Post-2020 Commitment Fact Base Briefing

I got it, thank you!

---

**From:** Ulman, Christie [Ex. 6 - Privacy]  
**Sent:** Thursday, October 24, 2013 8:52:53 PM  
**To:** Beauvais, Joel  
**Cc:** Dunham, Sarah  
**Subject:** RE: Post-2020 Commitment Fact Base Briefing

Great. She has been added - let me know if you didn't get it.

See you Monday!

-----Original Message-----

**From:** Beauvais, Joel [mailto:Beauvais.Joel@epa.gov]  
**Sent:** Thursday, October 24, 2013 4:49 PM  
**To:** Ulman, Christie  
**Cc:** Dunham, Sarah  
**Subject:** Re: Post-2020 Commitment Fact Base Briefing

Hi, Christie - Can you put Sarah Dunham (cc'd) on as well. I spoke to Rick about this.

Joel

-----Original Message-----

**From:** Christie Ulman  
**To:** Duke, Rick  
**To:** Pete Ogden  
**To:** Todd Stern  
**To:** [Ex. 6 - Privacy, Susan Biniaz]  
**To:** Dan Reifsnyder  
**To:** Trig Talley  
**To:** 'ArtusioCF@state.gov'  
**To:** Clare S Sierawski  
**To:** David Turk  
**To:** 'BodnarP@state.gov'  
**To:** 'StraitEP@state.gov'  
**To:** 'kolkerak@state.gov'  
**To:** Kareem Saleh  
**To:** Valeri Vasquez  
**To:** 'Debrosse, Muriel (DebrosseM2@state.gov)'  
**To:** Vahlsing, Candace  
**To:** 'Rakestraw, Andrew R (RakestrawAR@state.gov)'  
**To:** 'MeiselJS@state.gov'  
**To:** Jonathan.Pershing@hq.doe.gov  
**To:** Beauvais, Joel  
**To:** Maurice LeFranc  
**To:** Joe Goffman  
**To:** McConville, Drew  
**To:** Susan Biniaz  
**To:** 'Wolsey, Yekaterina Y'  
**To:** Schuler, Reed M (SchulerRM@state.gov)

To: judith.greenwald@hq.doe.gov  
To: Bryan Mignone  
To: Bassett, Luke  
To: sarah.dunham@epa.gov  
Subject: Post-2020 Commitment Fact Base Briefing  
Sent: Oct 24, 2013 4:30 PM

Here is one final meeting date/time adjustment, to Monday at 5:00pm. Cheers, Christie

**To:** Beauvais, Joel[Beauvais.Joel@epa.gov]  
**Cc:** LeFranc, Maurice[LeFranc.Maurice@epa.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Thur 10/24/2013 8:44:42 PM  
**Subject:** Re: Post-2020 mtg at CEQ

Ok thanks--i just saw the invite, thanks.

---

**From:** Beauvais, Joel  
**Sent:** Thursday, October 24, 2013 8:15:11 PM  
**To:** Dunham, Sarah  
**Cc:** LeFranc, Maurice; Goffman, Joseph  
**Subject:** Post-2020 mtg at CEQ

Sarah – Rick is convening a post-2020 discussion at CEQ for next week, with Todd and folks from State as well as DOE. Maurice is going to get you on the invitation, in hopes you can join him, me and Joe for the mtg – if not, we can give you the download on the back end.

**From:** Goffman, Joseph  
**Location:** WJC-N 5400  
**Importance:** Normal  
**Subject:** Briefing on Post 2020 ppt  
**Start Date/Time:** Wed 5/14/2014 8:00:00 PM  
**End Date/Time:** Wed 5/14/2014 8:45:00 PM



**From:** Vahlsing, Candace  
**Location:** EEOB 228  
**Importance:** Normal  
**Subject:** FYI - Post 2020 Analytics  
**Start Date/Time:** Fri 2/21/2014 9:30:00 PM  
**End Date/Time:** Fri 2/21/2014 10:30:00 PM  
Copy of WAVES 2.0 Excel Template V1.8.8.xls

;

This meeting will be a technical level discussion. We will send an invite for the next meeting of the larger group shortly. Many thanks!

Tentative Agenda

- I. [b(5) deliberative]
- II. [b(5) deliberative]
- III. [b(5) deliberative]

Please send WAVES information to Candace Vahlsing if there is a change in the manifest for your agency.

**Manifest**

EOP – Duke, Stock, Minsk, Bodnar, Ulman

State – Talley, Artusio, Reifsynder, Schuler

DOE – Pershing, Greenwald, Mignone

EPA – LeFranc, Dunham, Gunning, Fawcett, Niebling

**To:** Goffman, Joseph[Goffman.Joseph@epa.gov]; LeFranc, Maurice[LeFranc.Maurice@epa.gov]; McCabe, Janet[McCabe.Janet@epa.gov]  
**From:** Joseph Goffman  
**Sent:** Sat 3/8/2014 5:18:04 PM  
**Subject:** Re: FW: Form of the commitment

Just a few thoughts on this. It's not clear

**Ex. 5 - Deliberative**

# Ex. 5 - Deliberative

On Fri, Mar 7, 2014 at 8:02 PM, Goffman, Joseph <Goffman.Joseph@epa.gov> wrote:

**From:** LeFranc, Maurice  
**Sent:** Friday, March 07, 2014 6:32 PM  
**To:** Christo Artusio; Trigg Talley; Stern, Todd D (S/SECC)  
**Cc:** Goffman, Joseph; McCabe, Janet; Duke, Rick; Saleh, Kareem N  
**Subject:** Re: Form of the commitment

Thanks Christo. Let me think about your questions a bit - I will try to get back an initial response early next week.

And of course we can get together after Bonn. Look forward to it.

Hope the Bonn meetings go well. Safe travels to you and your team.

**From:** Artusio, Christo F <[ArtusioCF@state.gov](mailto:ArtusioCF@state.gov)>  
**Sent:** Friday, March 7, 2014 3:45:53 PM  
**To:** LeFranc, Maurice; Talley, Trigg; Stern, Todd D (S/SECC)  
**Cc:** Goffman, Joseph; McCabe, Janet; Duke, Rick; Saleh, Kareem N  
**Subject:** RE: Form of the commitment

+Todd

Thanks very much, Maurice. This is helpful and timely.

We at State were discussing this very issue earlier this week,

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

It would be good to talk more about your thinking in two respects:

**Ex. 5 - Deliberative**

We will ensure in Bonn next week that all options remain on the table, so no worries on that front.

Can we get together after Bonn to follow up?

Thanks again for raising.

Christo

This email is UNCLASSIFIED.

**From:** LeFranc, Maurice [<mailto:LeFranc.Maurice@epa.gov>]  
**Sent:** Friday, March 07, 2014 2:13 PM  
**To:** Talley, Trigg; Artusio, Christo F  
**Cc:** Goffman, Joseph; McCabe, Janet; Duke, Rick  
**Subject:** Form of the commitment

Trigg/Christo:

Thanks for the input from the meeting last night. We have since discussed Ex. 5 - Deliberative

# Ex. 5 - Deliberative

# Ex. 5 - Deliberative

Sorry for the long email – trying to get this all to you before you leave this weekend. This is quick initial thinking to **Ex. 5 - Deliberative** Would be glad to further work through this when you return from Bonn.

Safe travels. Let us know how we can be helpful.

Maurice

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

**To:** Geller, Michael[Geller.Michael@epa.gov]  
**Cc:** Wang, Weber[wang.weber@epa.gov]; Stewart, Lori[Stewart.Lori@epa.gov]; OAR Special Assistants[OAR\_Special\_Assistants@epa.gov]; McCabe, Janet[McCabe.Janet@epa.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]; Vaught, Laura[Vaught.Laura@epa.gov]; Nishida, Jane[Nishida.Jane@epa.gov]; Dubin, Noah[Dubin.Noah@epa.gov]; Troche, Luis[Troche.Luis@epa.gov]  
**From:** LeFranc, Maurice  
**Sent:** Fri 2/21/2014 8:53:52 PM  
**Subject:** RE: briefing materials due today (3pm requested again if possible)  
[China points for pre-brief version 1 feb 21.docx](#)

Here are the materials for Gina's meeting with Sec. Kerry and Moniz.

**From:** Geller, Michael  
**Sent:** Friday, February 21, 2014 2:10 PM  
**To:** LeFranc, Maurice  
**Subject:** Re: briefing materials due today (3pm requested again if possible)

Ok, I believe we'll have some wiggle room. Just send when you've made the necessary revision. Thanks.

---

**From:** LeFranc, Maurice  
**Sent:** Friday, February 21, 2014 11:08:30 AM  
**To:** Geller, Michael  
**Subject:** Re: briefing materials due today (3pm requested again if possible)

3:00 will be tough. I need to hear back from Janet on what needs to be done to revise.

---

**From:** Geller, Michael  
**Sent:** Friday, February 21, 2014 9:58:07 AM  
**To:** Stewart, Lori  
**Cc:** Wang, Weber; LeFranc, Maurice  
**Subject:** briefing materials due today (3pm requested again if possible)

1. Meeting with Secretary Kerry and Secretary Moniz
  - a. Will the pre-brief materials be revised and resubmitted, or are they to be used as is?

2. Options Selection GHG Emission Guidelines

- a. Are these ready now or need input after 1pm meeting today?

3. Drop by meeting with Michael Teague

- a. This is a meeting with Janet that the Administrator is crashing at the beginning to say “hello.” Unless you think otherwise, I will assume no materials are needed for the Administrator.

---

Michael D. Geller, Ph.D.

Special Assistant, Office of the Administrator

United States Environmental Protection Agency

Mailing Address: 1200 Pennsylvania Avenue, NW, Mail Code 1102A, Washington, DC 20460

Tel: (202) 564-2234 / Fax: (202) 501-1490



**To:** LeFranc, Maurice[LeFranc.Maurice@epa.gov]; McCabe, Janet[McCabe.Janet@epa.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]; Krieger, Jackie[Krieger.Jackie@epa.gov]; Evarts, Dale[Evarts.Dale@epa.gov]; Blubaugh, Jim[Blubaugh.Jim@epa.gov]  
**Cc:** Niebling, William[Niebling.William@epa.gov]; Wang, Weber[wang.weber@epa.gov]; OAR Special Assistants[OAR\_Special\_Assistants@epa.gov]  
**From:** LeFranc, Maurice  
**Sent:** Wed 2/19/2014 10:36:21 PM  
**Subject:** RE: Briefing material for pre-brief on Kerry/Moniz meeting  
[China points for pre-brief version 1.docx](#)

Please use this version - missed an addition from Dale.

---

**From:** LeFranc, Maurice  
**Sent:** Wednesday, February 19, 2014 5:32 PM  
**To:** McCabe, Janet; Goffman, Joseph; Krieger, Jackie; Evarts, Dale; Blubaugh, Jim  
**Cc:** Niebling, William; Wang, Weber; OAR Special Assistants  
**Subject:** Briefing material for pre-brief on Kerry/Moniz meeting

<< File: China points for pre-brief version 1.docx >>

Please share with others who contributed. Thanks for all of your help with this. Will keep you posted.

Maurice N. LeFranc, Jr.  
Senior Advisor for International Climate Change  
Office of Air and Radiation  
U.S. Environmental Protection Agency  
Office Phone: 202-564-1813  
Mobile: 202-450-7863

**To:** McCabe, Janet[McCabe.Janet@epa.gov]  
**Cc:** Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** LeFranc, Maurice  
**Sent:** Tue 2/18/2014 2:03:11 PM  
**Subject:** Re: Kerry and China

I just read the Reuters article. This is consistent with the last proposal we saw from State

**Ex. 5 - Deliberative**

The U.S. and China will cooperate/coordinate as we move to setting and announcing our post-2020 commitments under the UNFCCC. This would be done under Todd's Climate Change Working Group (there was always a placeholder for a climate policy dialogue). No detail on how this would be done. Will keep you posted.

---

**From:** McCabe, Janet  
**Sent:** Tuesday, February 18, 2014 8:52:04 AM  
**To:** LeFranc, Maurice  
**Cc:** Goffman, Joseph  
**Subject:** Kerry and China

I'm having a hard time understanding specifically what Kerry announced wrt to climate talks with China. <http://www.reuters.com/article/2014/02/15/us-china-usa-climate-idUSBREA1E05320140215>. The reports are a bit vague.

Maurice---maybe you'll find out more today?

**To:** Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** Stewart, Lori  
**Sent:** Mon 1/6/2014 6:52:17 PM  
**Subject:** FW: Points for Todd meeting tomorrow

fyi

**From:** Maurice LeFranc [mailto:Ex. 6 - Privacy]  
**Sent:** Monday, January 06, 2014 1:33 PM  
**To:** Knapp, Kristien  
**Cc:** Stewart, Lori  
**Subject:** Points for Todd meeting tomorrow

Janet:

Here is a list of topics that might come up with Todd tomorrow. He tends to be unfocused so not sure where the discussion will lead, however, it will be good to have this initial discussion.

# Ex. 5 - Deliberative

**Ex. 5 - Deliberative**

Hopefully we will have time to talk tomorrow before the meeting.  
Maurice

To: Goffman, Joseph[Goffman.Joseph@epa.gov]  
From: Ex. 6 - Privacy, Administrator McCarthy  
Sent: Tue 10/7/2014 7:01:19 PM  
Subject: Re: UNFCCC

Thank you.

Gina McCarthy

> On Oct 7, 2014, at 11:42 AM, "Goffman, Joseph" <Goffman.Joseph@epa.gov> wrote:

>

> Just wanted to let you know that this effort has gotten underway.

**Ex. 5 - Deliberative**

## Ex. 5 - Deliberative

> -----Original Message-----

> From: Ex. 6 - Privacy, Administrator McCarthy

> Sent: Saturday, September 27, 2014 10:47 AM

> To: Goffman, Joseph

> Subject: Re: UNFCCC

>

> I would much prefer that you tee this up. It is out of my comfort range.

>

> Gina McCarthy

>

>> On Sep 27, 2014, at 10:36 AM, "Goffman, Joseph" <Goffman.Joseph@epa.gov> wrote:

>>

>> How about we do this? I will talk to Joel myself, and then we will come back to you with a plan. Meanwhile, do you want me to talk to Todd directly and lay this out for him, or do you think you should be the one to have the next conversation? One way or another once I touch base with Joel we can get the stuff I mentioned in my email that we decide makes the most sense rolling rolling and keep you updated. Thanks.

>>

>> - Joseph Goffman

>> Sent from my iPhone

>>

>>> On Sep 27, 2014, at 10:29 AM, **Ex. 6 - Privacy, Administrator McCarthy** wrote:

>>>

>>> I don't have to include Joel just thought it might bring more resources. It's up to you.

>>>

>>> I am in New Orleans on Monday but back late afternoon but not going to the office. Can talk by phone.

>>>

>>> Gina McCarthy

>>>

>>>> On Sep 27, 2014, at 10:25 AM, "Goffman, Joseph" <Goffman.Joseph@epa.gov> wrote:

>>>>

>>>> Please have him connect with me since OP and OPAR already have a little work group that's been working on a piece of this since the early summer. Maybe he and I can just divide up the outreach to some of the contacts I mentioned. If it's okay with you, I am going to ask Teri to let me have five minutes on Monday or Tuesday when I can just drop by on this. Thanks

>>>>

>>>> - Joseph Goffman

>>>> Sent from my iPhone

>>>>

>>>>> On Sep 27, 2014, at 9:54 AM, **Ex. 6 - Privacy, Administrator McCarthy** wrote:

>>>>>

>>>>> Sure or I could ask Joel if he wants to take this on with his team.

>>>>>

>>>>> Gina McCarthy

>>>>>

>>>>>> On Sep 27, 2014, at 9:50 AM, "Goffman, Joseph" <Goffman.Joseph@epa.gov> wrote:

>>>>>>

# Ex. 5 - Deliberative

>>>>>>

>>>>>> Sorry to be inflicting thinking out loud on you, before getting to the bottom line. How about if you or I get in touch with Todd and suggest that he:

**Ex. 5 - Deliberative**

## Ex. 5 - Deliberative

>>>>>>

>>>>>> Thanks.

>>>>>>

>>>>>> - Joseph Goffman

>>>>>> Sent from my iPhone

>>>>>>

>>>>>>> On Sep 26, 2014, at 7:33 PM, **Ex. 6 - Privacy, Administrator McCarthy**

wrote:

>>>>>>>

>>>>>>> Should I just tell Todd to: **Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

I can't get John's attention to this.

>>>>>>>

>>>>>>> Gina McCarthy

**To:** Stern, Todd D (S/SECC)[SternTD@state.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]  
**Cc:** Talley, Trigg[TalleyT@state.gov]; Artusio, Christo F[ArtusioCF@state.gov]  
**From:** Sierawski, Clare S  
**Sent:** Mon 10/6/2014 6:16:04 PM  
**Subject:** Re: Pledges by Business and the Post 2020 Target

Sounds good - we'll get something with Mindy on the books.

Sent from my BlackBerry 10 smartphone.  
From: Stern, Todd D (S/SECC)  
Sent: Monday, October 6, 2014 2:02 PM  
To: 'Goffman.Joseph@epa.gov'  
Cc: Sierawski, Clare S; Talley, Trigg; Artusio, Christo F  
Subject: Re: Pledges by Business and the Post 2020 Target

Thanks Joe. Very helpful. Clare, Trigg and Christo -- need to pursue ASAP. Maybe arrange for me to talk to Mindy, whom I know.

From: Goffman, Joseph [mailto:Goffman.Joseph@epa.gov]  
Sent: Monday, October 06, 2014 01:53 PM  
To: Stern, Todd D (S/SECC)  
Subject: Pledges by Business and the Post 2020 Target

Hi, Todd -- Hope you are doing well. I wanted to share a suggestion with you that the Administrator and I discussed after she returned from the UN event in New York on September 23. One of the things she found striking was the number of major businesses and corporations present at the event that made what sounded like significant pledges of action to reduce emissions.

This raises the question of

Ex. 5 - Deliberative

# Ex. 5 - Deliberative

Note that this idea is in addition to the other piece we have been working on, namely trying to see if we

# Ex. 5 - Deliberative

Thanks.

**To:** Goffman, Joseph[Goffman.Joseph@epa.gov]; Beauvais, Joel[Beauvais.Joel@epa.gov]; Niebling, William[Niebling.William@epa.gov]  
**Cc:** Harvey, Reid[Harvey.Reid@epa.gov]; Evans, DavidA[Evans.DavidA@epa.gov]; Marten, Alex[Marten.Alex@epa.gov]; Sheriff, Glenn[Sheriff.Glenn@epa.gov]; Elman, Barry[Elman.Barry@epa.gov]; Balserak, Paul[Balserak.Paul@epa.gov]  
**From:** Barron, Alex  
**Sent:** Mon 10/6/2014 2:44:29 PM  
**Subject:** Fwd: New Rhodium Group analysis of the US 2020 GHG target  
[RHG\\_2020TargetAssessment\\_06Oct2014.pdf](#)  
[ATT00001.htm](#)

FYI

Sent from my iPhone

Begin forwarded message:

**From:** John Larsen <[jwlarsen@rhg.com](mailto:jwlarsen@rhg.com)>  
**Date:** October 6, 2014 at 10:41:12 AM EDT  
**To:** John Larsen <[jwlarsen@rhg.com](mailto:jwlarsen@rhg.com)>  
**Cc:** Kate Larsen <[kmlarsen@rhg.com](mailto:kmlarsen@rhg.com)>  
**Subject:** New Rhodium Group analysis of the US 2020 GHG target

Friends and colleagues

At the 2009 UN Climate Change Conference in Copenhagen, the United States committed to reduce its greenhouse gas emissions in the range of 17% below 2005 levels by 2020. Halfway to that 2020 deadline, the Obama Administration has adopted or announced a number of policies aimed at reducing US emissions, the most significant of which is the EPA's Clean Power Plan (CPP). In the attached report, we assess the impact of the CPP on US GHG emissions and whether, when combined with other enacted or planned emission reduction actions, the US is on track to meet its Copenhagen pledge. The report is available at <http://rhg.com/notes/is-the-us-on-track-epas-clean-power-plan-and-the-us-2020-climate-goal>

Below is a brief summary of our findings:

The Clean Power Plan (CPP) can achieve substantial reductions in emissions from existing power plants: The CPP as proposed has the potential to put the largest emitting sector in the US on a lower emissions pathway. A lot could change between the proposal and the final rule next summer, but our current assessment is that the CPP could achieve as much as



463 million metric tons of CO<sub>2</sub> abatement from across the economy in 2020. This level of abatement is not guaranteed. Depending on implementation choices made by states, the CPP may reduce economy-wide emissions by just 310 million metric tons.

The CPP is the most important policy for meeting the 2020 target: We estimate that the CPP alone, as currently proposed, closes nearly 60% of the economy-wide gap between the US target and a scenario without policy action. Without the CPP, the US has almost no chance of meeting its 2020 goal. The ultimate impact of the CPP will be determined by the content of the final EPA guidelines, as well as how they are implemented by states.

While ambitious design and robust implementation of the CPP is necessary, it's not sufficient: The current gap between the target and a scenario without additional policy action is too wide to be closed by the CPP alone. Additional steps to reduce emissions from energy use, methane, and HFCs will be required. Progress to date in these other areas is slow and the clock is ticking. A final wildcard is whether US forests and other lands maintain their ability to sequester carbon at historic rates, something that is largely out of federal policymakers' hands.

Best

John Larsen

Senior Analyst

Rhodium Group (RHG)

202-888-6571

[www.rhg.com](http://www.rhg.com)

**To:** McCabe, Janet[McCabe.Janet@epa.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** LeFranc, Maurice  
**Sent:** Sun 9/28/2014 11:14:28 PM  
**Subject:** Fw: Todd Note to Xie

See email below - you may have already received an invite from Michelle.

---

From: Sierawski, Clare S <SierawskiCS@state.gov>  
Sent: Sunday, September 28, 2014 6:25:35 PM  
To: LeFranc, Maurice; Jonathan Pershing; 'Hultman, Nathan'; Fawcett, Allen; 'Ulman, Christie'  
Cc: Wagner, David Vance; Bodnar, Paul; Gallagher, Kelly  
Subject: Fw: Todd Note to Xie

Hi JP, Maurice, Allen and CEQ friends,

I've been meaning to call and update you re. the China bilats last week, but I took off soon after UNGA for a short break. **Ex. 6 - Privacy** I won't be back in the office until Wed. but (long story very short, and you may have already heard this), we are continuing to move forward, and below is what we're thinking of for next steps. Michelle is hosting an IPC on Monday so hopefully DOE and EPA will be represented there, and we should connect when we get back (I just wanted to make sure you were in the loop!).

Thank you!  
Clare

Sent from my BlackBerry 10 smartphone.  
From: SierawskiCS@state.gov  
Sent: Sunday, September 28, 2014 5:20 PM  
To: Trevor Houser; Gallagher, Kelly; Reifsnyder, Daniel A; Schuler, Reed M; Wagner, David Vance; Patron, Michelle; Bodnar, Paul; Rick Duke; Utech, Dan G.; Costa, Kristina; Sepp, Eryn  
Subject: Todd Note to Xie

Hi all! Below is a draft note from Todd to Xie re. next steps. He should send this note late tonight or tomorrow before we lose the Chinese to "Golden Week" (the 1st-7th). If possible, please let me know by 9pm tonight if anything looks amiss/if you have any changes. Thank you!

# Ex. 5 - Deliberative

# **Ex. 5 - Deliberative**

Sent from my BlackBerry 10 smartphone.

# Is the US on Track? EPA's Clean Power Plan and the US 2020 Climate Goal

October 6, 2014

John Larsen  
jwlarsen@rhg.com

Kate Larsen  
kmlarsen@rhg.com

Whitney Ketchum  
wketchum@rhg.com

At the 2009 UN Climate Change Conference in Copenhagen, the United States committed to reduce its greenhouse gas (GHG) emissions in the range of 17% below 2005 levels by 2020. Halfway to that 2020 deadline, the Obama Administration has adopted or announced a number of policies aimed at reducing US emissions, the most significant of which was the EPA's Clean Power Plan (CPP) proposed this June. This report assesses the impact of the CPP on US GHG emissions and whether, when combined with other enacted or planned emission reduction actions, the US is on track to meet its Copenhagen pledge. We find that:

The Clean Power Plan (CPP) can achieve substantial reductions in emissions: The CPP as proposed has the potential to put the largest emitting sector in the US on a lower emissions pathway. A lot could change between the proposal and the final rule next summer, but our current assessment is that the CPP could achieve as much as 463 million metric tons of CO<sub>2</sub> abatement from across the economy in 2020. This level of abatement is not guaranteed. Depending on implementation choices made by states, the CPP may reduce economy-wide emissions by just 310 million metric tons.

The CPP is the most important policy for meeting the 2020 target: We estimate that the CPP alone, as currently proposed, closes nearly 60% of the economy-wide gap between the US target and a scenario without policy action. Without the CPP, the US has almost no chance of meeting its 2020 goal. The ultimate impact of the CPP will be determined by the content of the final EPA guidelines, as well as how they are implemented by states.

While ambitious design and robust implementation of the CPP is necessary, it's not sufficient: The current gap between the target and a scenario without additional policy action is too wide to be closed by the CPP alone. Additional steps to reduce emissions from energy use, methane, and HFCs will be required. Progress to date in these other areas is slow and the clock is ticking. A final wildcard is whether US forests and other lands maintain their ability to sequester carbon at historic rates, something that is largely out of federal policymakers' hands.

---

## BACKGROUND

In 2009 at the UN Climate Conference in Copenhagen, President Obama announced a commitment to reduce US GHG emissions in the range of 17% below 2005 levels by 2020, in the context of a global deal where all major economies made similar pledges. At the time the American target was contingent on "anticipated energy and climate legislation," which died soon after in the Senate. The President has since reaffirmed the 2020 goal, most notably in the June 2013 announcement of his Climate Action Plan, the United States' first comprehensive national strategy to address GHG emissions. The Plan made clear the administration's intention of meeting the 2020 emission reduction target through executive authority alone, rather than relying on congressional action.

In late 2013, the Obama Administration released the first official assessment of current and potential progress towards achieving the US 2020 goal. In its Biennial Report to the

UN, the administration stipulated that with full implementation of the President's Plan the US would come within the range of 17% by 2020. The report, released only two months after the Plan, did not attempt to model emission reductions from specific policy proposals, but instead reductions "that could be achievable through a range of additional actions, consistent with implementation of the Climate Action Plan." Now, nearly a year later, we are able to conduct a more direct assessment of potential emission reductions associated with the President's Plan, combining updated GHG emissions data with several new regulatory proposals.

A key component of the Plan is the President's directive to EPA to use the Clean Air Act (CAA) to regulate CO<sub>2</sub> emissions from existing power plants. In meeting that directive EPA proposed its draft Clean Power Plan (CPP) on June 2, 2014 and is currently taking public comment on the proposal. The CPP proposal contains binding performance goals that require states to reduce the emissions intensity of their existing fossil fuel-fired power plant fleets. States must have EPA-approved, enforceable standards in place to meet the performance goals beginning in 2020 and for each year thereafter. EPA is providing states with considerable flexibility in the form these standards could take, so long as states can clearly demonstrate that the emissions performance goals will be met.

The CPP will play a central role in determining whether the US meets its 2020 target. The electric power sector is the largest single contributor to US GHG emissions, representing 32% in 2012. Once final, the CPP will place the first mandatory limits on greenhouse gases from existing power plants. While the sector has experienced a notable decline in emissions since 2005, further decline is not expected without additional policy action. Indeed, analyses by Resources for the Future, the World Resources Institute, and others have previously concluded that without robust regulation of existing power plants, the US 2020 target is unattainable.

The CPP will also shape post-2020 US climate commitments, currently being considered by the administration ahead of the 2015 UN climate change conference in Paris. Emission goals under the CPP start in 2020 and extend through 2030 and beyond. Given the years of regulatory procedures and state implementation required to get it up and running, it is unlikely to be revised before the mid-2020s. Absent action by Congress, the current CPP rulemaking represents the only opportunity for federal regulatory action on GHG emissions from power generation in the short and medium-term.

In this report we examine the current US emissions path under current policies. Next, we compare estimated abatement from recently announced policies with the range of potential abatement included in the 2013 Biennial Report and consider abatement from additional actions the US could potentially pursue. We then combine our results to get a comprehensive assessment of the role of the CPP and other major policies in achieving the 2020 target. Finally, we present our conclusions.

## CURRENT POLICY ONLY GETS US SO FAR TOWARD THE 2020 TARGET

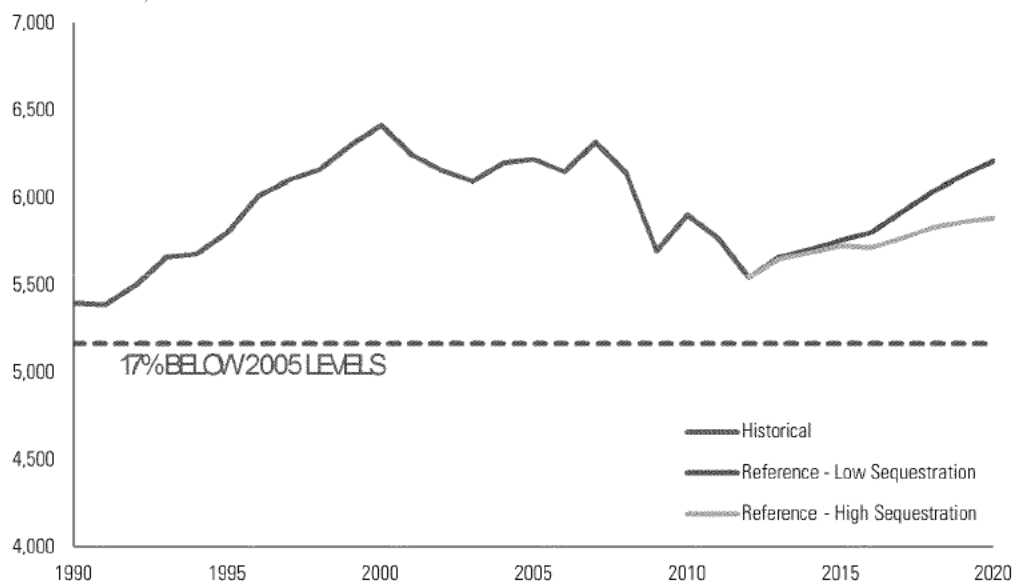
New emissions and projections data published after the release of the US Biennial Report allow us to put together a more up-to-date reference case forecast of GHG emissions out to 2020. This reference case includes all current policies, but excludes any preliminary, proposed, or potential additional policy actions after September 30, 2013, including the CPP.<sup>1</sup> Using this updated forecast we estimate that under current policy, total net US GHG emissions are projected to be between 5,888 and 6,210 million tons in 2020, with the

<sup>1</sup> The reference case combines an energy CO<sub>2</sub> emissions forecast using the RHG-NEMS model, keyed to the Energy Information Administration (EIA)'s Annual Energy Outlook (AEO) 2014, adjusted to match EPA's inventory accounting and an updated version of the US Biennial Report forecast for all other GHG emissions, reflecting changes in historical trends from the 2014 EPA inventory.

difference representing forest sequestration uncertainty (see more on this below). Even in the low end of the reference case range, US emissions are projected to rise from current levels out to 2020. In order to reach the 2020 target, emission reductions will need to be in the range of **723 to 1,045** million metric tons of CO<sub>2</sub> equivalent (CO<sub>2</sub>e) from projected levels in 2020 (see Figure 1).

**Figure 1: The US Emissions Gap**

Net emissions, million metric tons CO<sub>2</sub>e



Source: US EPA, Rhodium Group estimates

### Forests and Land Use

A major wild card in assessing the potential for the US to meet its 2020 target is whether American forests are able to maintain their historically high rate of carbon sequestration. In 2012, over 15% of total US GHG emissions were offset as forests and other lands absorbed carbon from the atmosphere. Recent studies, including some by the US Forest Service, suggest that as a result of changing land use patterns and the damaging effects of climate change itself, over the long-term US forests will absorb carbon at a slower rate. There is significant uncertainty, however, about whether and when such slowing may occur.

The President's Plan encourages conservation and sustainable management of US forests and lands, but does not call for specific policies or actions to shore up the sector's ability to offset carbon emissions by 2020. In its Biennial Report, the administration presented a high sequestration scenario (extrapolating past trends) and a low sequestration scenario (reflecting a gradual decline in absorption rate), neither of which reflects attempts to quantify impacts of policy. Based on the administration's own bounding of the likely forest and land use outcomes for 2020, the low sequestration scenario delivers as much as 323 million metric tons less abatement than would be achieved if past trends continue through the end of this decade.

### ASSESSING THE POTENTIAL OF THE CPP

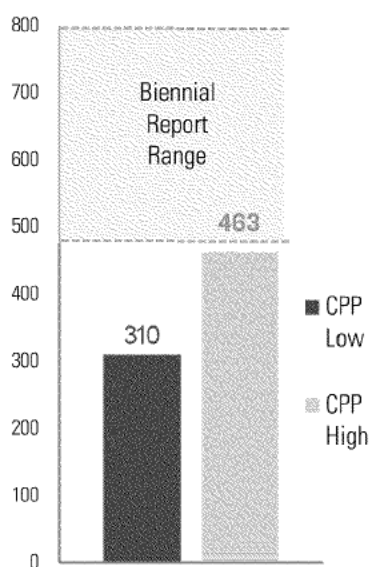
In its Biennial Report the administration projected a "range of potential reductions that can be achieved" in the energy CO<sub>2</sub> sector, estimating 485-800 million tons of abatement

in 2020. While the Biennial Report range does not explicitly include the CPP, it does include the impact of “increasing levels of clean generation” as well as new policies in end-use sectors such as transportation and residential, commercial, and industrial energy use. We assess the contribution of the CPP using the methods from our forthcoming *Remaking American Power* analysis, set for release in November 2014 in partnership with the Center for Strategic and International Studies. Preliminary findings from that analysis can be found [here](#).

In our “low abatement CPP” scenario, all states work together to implement a single national standard on existing power plants and credit the full amount of energy efficiency (EE) contemplated by EPA in its proposal. We also assume all EE from new federal policies gets credit under the CPP. In our “high abatement CPP” scenario, we assume the same nationwide cooperative implementation, but only allow generation options to contribute to compliance. All EE from federal policies are complementary to the CPP (they do not get credit) and in turn yield additional reductions. Based on our high and low scenarios, we estimate that EPA’s current proposal could achieve 310-463 million tons of emission reductions in 2020. This range includes not just emission reductions from power plants, but all emission reductions that could occur across the economy from the CPP, including the net impact of changes in upstream methane and CO<sub>2</sub> emissions from higher natural gas demand and lower coal demand.

It is important to note that ultimate GHG abatement achieved by the CPP will depend on how states design and implement their performance standards in line with EPA’s guidelines. Decisions around multi-state cooperation, whether and to what degree existing EE and renewable energy programs are included, whether emission rate or mass based standards are employed, and the timing of emission reductions will impact the actual abatement level in 2020 and subsequent years.

Figure 2: Projected Energy CO<sub>2</sub> abatement in 2020  
Million metric tons



Source: US Biennial Report, Rhodium Group estimates

This last point on timing of reductions under the CPP is particularly important in the context of the 2020 target. The CPP requires states to meet or exceed interim emission rate goals on average between 2020 and 2029. In their implementation plans, states could opt to set fairly modest targets for 2020 and then ramp down those targets through 2029. They could also do the opposite, or simply set the target at the interim goal for the entire decade. The sum of each state’s implementation decisions will directly impact total emission reductions from the CPP in 2020. For both CPP scenarios we assume that state implementation results in targets that generally follow the annual targets calculated by EPA that make up the average interim goals. This means that the 2020 targets are slightly higher than the interim goal and the 2029 target is slightly lower. Without speculating as to what course each state may take, we believe this is a reasonable characterization of what could happen under the CPP.

When we compare our abatement estimates for EPA’s current CPP proposal against the administration’s 2013 forecast of potential energy CO<sub>2</sub> abatement from the President’s Climate Action Plan, the CPP gets close to the low end of the Biennial Report range (see Figure 2).

There are a range of emission reductions achievable through other policies in the energy sector that have not yet been proposed by the administration, but which could be feasibly implemented before 2020. All potential actions could be pursued under current and additional use of existing executive authorities targeting existing and new sources of emissions such as building weatherization and retrofit programs, increased performance and deployment of renewable energy technologies, increased participation in telecommuting, carpooling and transit use as well as appliance standards, building codes, and heavy duty vehicle efficiency regulations. We estimate that these additional actions could achieve as much as 105 million metric tons of abatement in 2020.

When we combine the projected reductions from the CPP and other policy actions in the energy sector, potential abatement from energy CO<sub>2</sub> in 2020 ranges from 310-568 million tons. We rely on this range when assessing the total economy-wide emission reductions that could be achieved to meet the 2020 target.

## NON-CO<sub>2</sub> ABATEMENT POTENTIAL AND PROGRESS

While the CPP is the centerpiece of the administration's efforts to meet its 2020 target, getting within the range of 17% will depend on a host of other factors. We explore one of most significant determinants below: the timing and effectiveness of proposed administrative action on other sectors and gases.

The President's Plan calls for emissions reductions from a wide swath of economic sectors and gases, setting the stage for regulation of some of the most potent GHGs: methane (primarily from natural gas systems, livestock, and landfills) and hydrofluorocarbons or HFCs (used in air conditioning and refrigeration). Although together they contributed only 11% of total US GHG emissions in 2012, they are expected to increase significantly by 2020 absent action to curb their growth. The administration estimates that more than 20% of expected abatement in 2020 will come from these non-carbon sources.<sup>2</sup> Below, we assess progress since the June 2013 announcement, reflected by recent emissions trends and developments in implementation of the administration's proposals.

### Methane

After CO<sub>2</sub>, methane (CH<sub>4</sub>) is the second largest contributor to US emissions, at around nine percent of total GHGs in 2012. Resulting primarily from leaks in natural gas systems, livestock production, and decomposition of wastes in landfills, methane is an extremely potent GHG, roughly 25 times as climate-forcing as CO<sub>2</sub>. Though methane emissions have decreased by about one percent since 2005, primarily as a result of decreased emissions from field production of natural gas, projections show that absent further efforts methane emissions will grow an additional five percent by 2020.

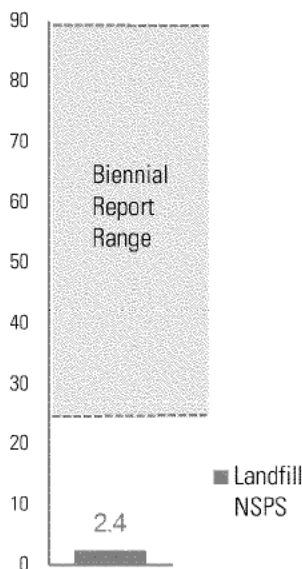
To manage this expected growth in emissions, the Plan tasks US agencies with development of a comprehensive methane strategy to assess emissions data, address data gaps, identify technologies and best practices for reducing emissions, and identify existing authorities and incentive-based opportunities to reduce emissions. The methane strategy, released in March 2014, targets a number of key sources - landfills, coal mines, agriculture, and oil and gas - and lays out a variety of possible tools, ranging from enhanced voluntary efforts to regulation.

<sup>2</sup> To compare CO<sub>2</sub> and non-CO<sub>2</sub> gases in its GHG Inventory, EPA uses Global Warming Potential (GWP) values from the IPCC 2<sup>nd</sup> Assessment Report (SAR). Starting in 2015, EPA will use GWP values from the 4<sup>th</sup> Assessment (AR4) in both in the GHG Inventory and in accounting for progress toward the 2020 target.



Figure 3: Projected methane abatement in 2020

Million metric tons CO<sub>2</sub>e



Source: US Biennial Report, US EPA

In its 2013 Biennial Report, released before completion of the methane strategy, the administration estimated that methane abatement could contribute 25-90 million tons of CO<sub>2</sub>e in 2020 (see Figure 3). At this point it is difficult to assess whether the strategy can deliver those tons in time. There are several sources of uncertainty. The first is whether the administration decides to pursue regulatory action or instead rely on voluntary programs. This will matter most in the case of methane emissions from the oil and gas sector. By the fall of 2014, EPA must determine whether to pursue further regulation of methane from this sector, with finalization of any regulations by the end of 2016.

The second uncertainty is the timing. Given the extended time frames of the administration's regulatory process, in order to deliver the necessary tons by 2020 (less than six years from now), new or updated regulations will need to be finalized in the next year or two. Of the five possible new regulations proposed in the strategy, only one (updated new source performance standards for landfills) has been officially proposed. The other potential methane regulations (i.e., for coal mines on public lands, oil

and gas, and venting and flaring from oil and gas production on public lands) are still in the input-gathering phase as of September 2014.

Finally, determining the potential for methane abatement in 2020 under the administration's strategy is complicated further by the inherent difficulty in assessing the effectiveness of expanding ongoing voluntary efforts - including public-private partnerships with the dairy industry, coal producers, landfill operators, and EPA's Natural Gas STAR program. The administration has not tried to quantify the potential reductions from these programs.

### HFCs

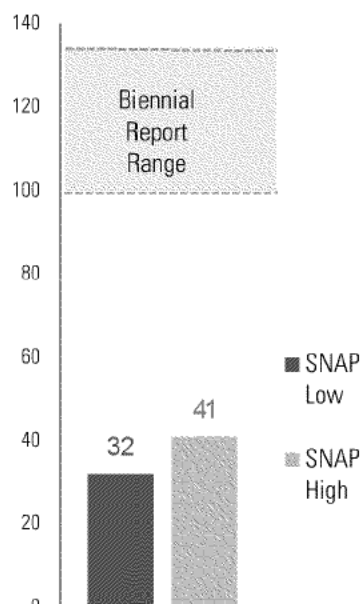
Another key aim of the President's Climate Action Plan is cutting emissions of one of the most potent greenhouse gases: hydrofluorocarbons (HFCs). Phased in over the past decade as a substitute for ozone-depleting substances used in air conditioning and refrigeration, US emissions of HFCs have grown substantially. Emissions are expected to increase more than 30% from today's levels by 2020 and 50% by 2030, absent abatement efforts.

To stem the growth of HFCs, the administration plans to use its existing authority to limit the use of the most harmful HFCs in certain applications and expand the list of available alternatives through EPA's Significant New Alternatives Policy Program (SNAP). To expand the list of available alternatives and bring down costs of compliance for industry, the administration is also focused on encouraging private sector investment in alternative technologies, including through government procurement of low-GHG alternatives. By far the most effective approach for expanding alternative technologies and driving down costs would be for a global phasedown of HFC production and consumption, as the US has proposed under the Montreal Protocol.

In its Biennial Report the administration estimated that a combination of domestic and international progress on HFC abatement could deliver 100-135 million tons of CO<sub>2</sub>e in 2020 (see Figure 4). The high end of that range was based on analysis conducted by EPA of a 2012 US proposal for a global phasedown commitment under the Montreal Protocol.

After failure of the international community to agree in 2013, the US submitted a revised 2014 proposal, setting back the phasedown timeline several years and reducing the required abatement from the US in the 2020 time frame to around 90 million tons of CO<sub>2</sub>e.<sup>3</sup> Despite its more lenient requirements, significant opposition remains among a handful of countries, most notably India, making the prospects for adoption of an amendment this year slim.

**Figure 4: Projected HFC Abatement**  
Million metric tons CO<sub>2</sub>e in 2020



Source: US Biennial Report, US EPA

Without the additional authority an international treaty would provide, EPA may still use its existing authority under SNAP to reduce HFCs, though reductions will likely be more modest. In July 2014 EPA released a notice of proposed rulemaking that would restrict the use of certain HFCs in various end-uses in the aerosols, refrigeration, air conditioning, and foam blowing sectors where lower-GHG substitutes are available. EPA estimates that, as proposed, the rule could reduce HFC emissions by 32-41 million tons of CO<sub>2</sub>e in 2020. On September 16, 2014 the administration joined with 22 industry groups and companies to announce a set of private sector commitments to reduce the production and use of HFCs, and accelerate the development of alternatives. The administration also announced that it was directing federal

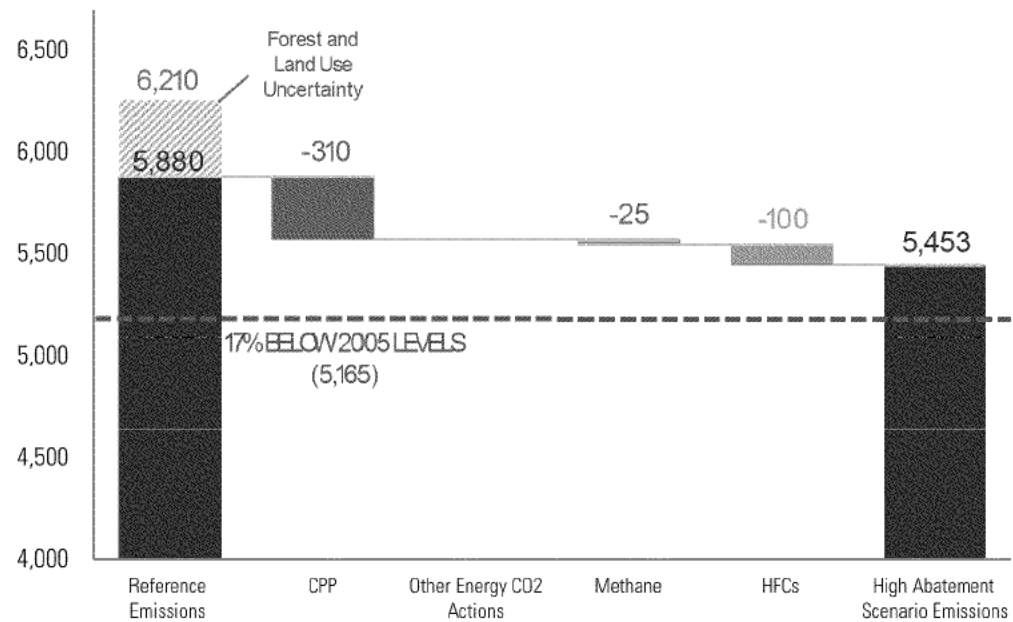
agencies to purchase alternatives to HFCs whenever possible for use in federal facilities, to work with industry to improve practices that reduce HFC emissions, and to fund Energy Department research into HFC alternative technologies. The administration estimates that these new commitments would reduce cumulative global consumption of these greenhouse gases by the equivalent of 700 MT of CO<sub>2</sub>e through 2025. The total abatement potential in the US in 2020 are difficult to assess, however.

## PUTTING IT ALL TOGETHER

In assessing the economy-wide impacts, there could be an infinite combination of high and low abatement outcomes from each of the gases and sectors discussed above. Here we consider two economy-wide abatement scenarios that bound the range of potential outcomes. The "low abatement scenario" combines our low-end assessment of abatement achievable from the CPP and the low-end of the administration's projections for methane, and HFCs. In the "high abatement scenario," we combine high CPP and energy sector CO<sub>2</sub> abatement with the high-end of the administration's projections for methane and HFCs. For both high and low scenarios, we assume the administration's high sequestration scenario for forests and land. Taken together, the low abatement scenario delivers abatement of 435 million tons of CO<sub>2</sub>e in 2020, or 12.4% below 2005 levels (Figure 5). The high abatement scenario delivers 793 million tons of CO<sub>2</sub>e, or about 18.1% below 2005 levels (Figure 6).

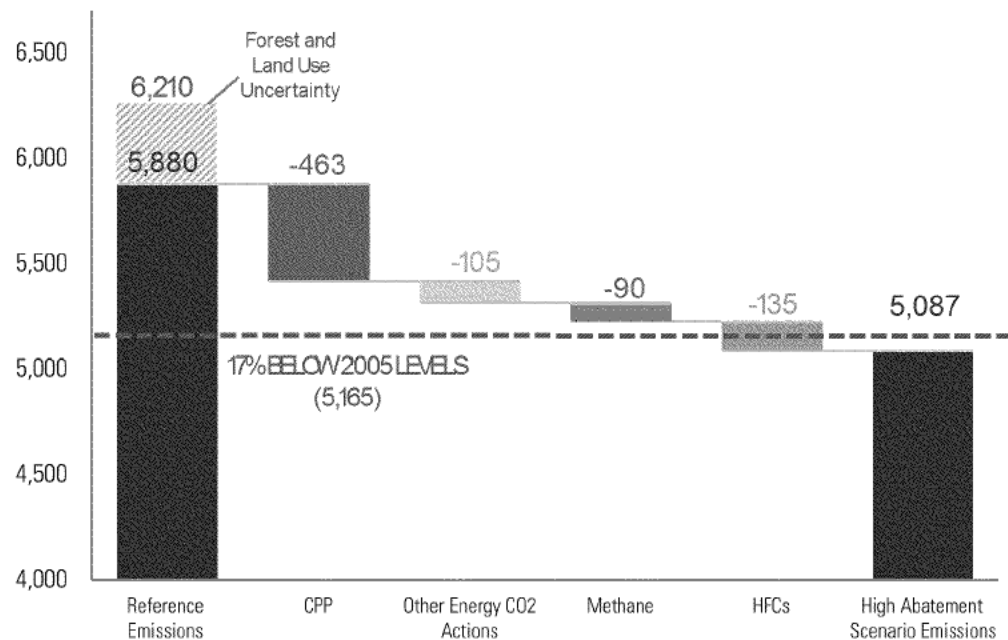
<sup>3</sup> This HFC emissions value is approximated by the authors from the 2014 US Montreal Protocol Amendment proposal, which would require the US to reduce annual production and consumption of HFCs by 10% from 2008-2010 average levels, starting in 2018.

Figure 5: Emissions reductions achieved in 2020 from low abatement scenario

Net emissions, million metric tons CO<sub>2</sub>e

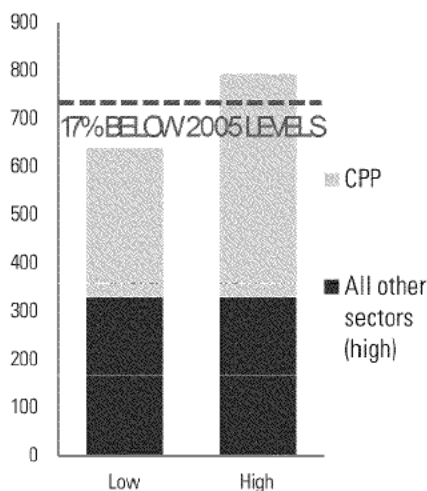
Source: US Biennial Report, Rhodium Group estimates

Figure 6: Emissions reductions achieved in 2020 from high abatement scenario

Net emissions, million metric tons CO<sub>2</sub>e

Source: US Biennial Report, Rhodium Group estimates

Figure 7: 2020 abatement under different CPP scenarios  
 Million metric tons CO<sub>2</sub>e, assuming high abatement in all other areas



Source: US Biennial Report, Rhodium Group estimates

How much of a difference does the design and implementation of the CPP make in terms of reaching the US target in 2020? Even if the administration meets its most ambitious projections for abatement from methane and HFCs, and with optimistic land use and forest outcomes in 2020, achievement of the low-end of projected CPP abatement – whether due to its original design or ultimate implementation – means the US will not meet its target (see Figure 7). Based on our analysis, without ambitious implementation of the CPP, the US will fall just over 80 MMT CO<sub>2</sub>e short of the 2020 target. Given that we assume high abatement action in all other areas, it's hard to envision a pathway to make up this shortfall through even greater action outside the power sector.

## CONCLUSIONS

One year after the President's announcement of the Climate Action Plan, and with six years to go until the final reckoning in 2020, we have sufficient information to make a reasonable assessment of prospects for meeting the US 2020 goal. Despite uncertainty surrounding the timing and nature of implementation of the proposed standards and policies announced to date, those policies make up a significant portion of the Plan's proposed abatement activities. We expect more announcements from the administration in the coming months and years, but seeing meaningful abatement in the 2020 time frame will require decisions in the next year or two.

**The 2020 target is unreachable without CPP.** Emission reductions from the CPP represent nearly 60% of the total emission reductions in both our low and high reduction estimates. There is no conceivable combination of currently proposed or planned policy actions that meets the target and does not include significant reductions from the CPP in 2020.

**CPP design and implementation decisions matter.** If for any reason expected emission reductions from the CPP decline, even if by a little, it will be difficult to see a pathway toward meeting the US 2020 goal. Implementation decisions by states will also play a major role. Whether states decide to credit EE savings that come from federal actions (such as appliance standards) in their state plan, as well as other EE related decisions will matter. The timing of implementation and the initial targets states set in their plans will also influence the amount of emissions reductions that may be achieved in 2020 under the CPP.

**CO<sub>2</sub> reductions are only two-thirds of the story.** While not as significant on a policy-by-policy basis as the CPP, full implementation of the package of regulatory and voluntary actions included in the President's Plan to control methane and HFCs will be critical to achieving the 2020 target. Announcements by the administration in the coming months will provide more insight on whether the proposed steps will be sufficient to achieve the projected abatement. Little time remains, however, for additional regulatory action to deliver any results in the 2020 time frame.

**Sequestration from forests and land use is the wild card.** Unlike other sectors of the economy that contribute to US GHG emission totals, the scope and diversity of drivers affecting forests and land use make it considerably more difficult to predict and control outcomes in this sector through federal policy. If 2020 turns out to be a bad year for US forests – whether due to wildfires, conversion to agriculture or urban landscapes - it could potentially negate reductions achieved from implementation of the CPP and other major administration policies. We may not know either way until the EPA inventory of 2020 emissions is complete.

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**To:** Goffman, Joseph[Goffman.Joseph@epa.gov]; McCabe, Janet[McCabe.Janet@epa.gov]  
**Cc:** Fawcett, Allen[Fawcett.Allen@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]  
**From:** LeFranc, Maurice  
**Sent:** Thur 8/21/2014 12:23:37 PM  
**Subject:** Fw: China post-2020 mtg  
Draft Email on DVC 20 August 2014.docx

Joe:

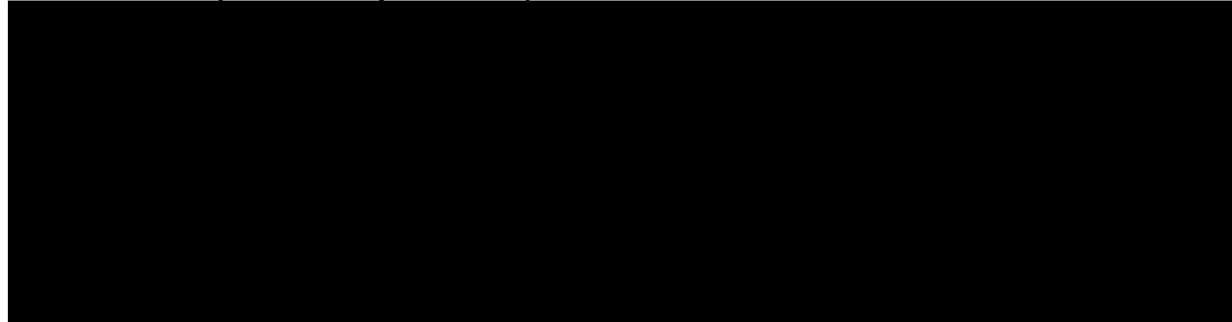
Follow up on China - attached is draft email to Chinese. It is consistent with questions we saw earlier.

They have you and Allen as reps for EPA which makes sense if this stays as a technical discussion. If there is space I can go with you as well.

Let me know if you want me to OK this with Kelly.

Maurice

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.



Hi all,

As a follow-up to our China post-2020 meeting today, attached is a draft email for me to send to Zou Ji tomorrow. It includes the list of questions that we want to ask the Chinese to address in the DVC and beyond.

Please let me know if you have any edits, questions, or concerns.

Best,  
Kelly

**To:** McCabe, Janet[McCabe.Janet@epa.gov]; Simon, Karl[Simon.Karl@epa.gov]  
**Cc:** Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** Grundler, Christopher  
**Sent:** Fri 8/15/2014 5:49:53 PM  
**Subject:** Re: long-term carbon estimates

Yes  
CEQ has them

Christopher Grundler, Director  
Office of Transportation and Air Quality  
U.S. Environmental Protection Agency  
202.564.1682 (DC)  
734.214.4207 (Ann Arbor)  
[www.epa.gov/otaq](http://www.epa.gov/otaq)



**Ex. 5 - Deliberative**

Sent from my iPhone

On Aug 15, 2014, at 12:06 PM, "Simon, Karl" <[Simon.Karl@epa.gov](mailto:Simon.Karl@epa.gov)> wrote:

Agree with Chris' general assessment. To do some of these items would require a good amount of work.

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

**From:** McCabe, Janet  
**Sent:** Friday, August 15, 2014 12:04 PM  
**To:** Grundler, Christopher; Simon, Karl  
**Cc:** Goffman, Joseph  
**Subject:** RE: long-term carbon estimates

This has been an ongoing challenge for us in these post 2020 discussions...

---

**From:** Grundler, Christopher  
**Sent:** Friday, August 15, 2014 12:00 PM  
**To:** McCabe, Janet; Simon, Karl  
**Cc:** Goffman, Joseph  
**Subject:** Re: long-term carbon estimates

Captain Obvious here:

**Ex. 5 - Deliberative**

## **Ex. 5 - Deliberative**

**Ex. 5 - Deliberative** It would be good to have a discussion about this and get further guidance before doing any new work

Chris

Christopher Grundler, Director  
Office of Transportation and Air Quality  
U.S. Environmental Protection Agency  
202.564.1682 (DC)  
734.214.4207 (Ann Arbor)  
[www.epa.gov/otaq](http://www.epa.gov/otaq)

**From:** McCabe, Janet  
**Sent:** Friday, August 15, 2014 11:48 AM  
**To:** Simon, Karl; Grundler, Christopher  
**Cc:** Goffman, Joseph  
**Subject:** RE: long-term carbon estimates

Karl--am i right that this is not a quick assignment? How much work is involved?

We should be helpful in providing information to inform the discussion about what  
(b)(5) deliberative  
informed by the information we have--so it'd be helpful for me to have more of a



sense of what's involved in responding to this request, and/or if there is other information we can provide that's more appropriate.

---

**From:** Simon, Karl  
**Sent:** Thursday, August 14, 2014 2:11 PM  
**To:** McCabe, Janet; Grundler, Christopher  
**Subject:** FW: long-term carbon estimates

Per our discussion yesterday. Here is a follow up note. Let me know what you would like us to do. thanks

**From:** Lie, Sharyn  
**Sent:** Thursday, August 14, 2014 12:40 PM  
**To:** Hengst, Benjamin; Simon, Karl; Snapp, Lisa  
**Subject:** FW: long-term carbon estimates

Karl-

So much for crossing this item off my to-do list. Please let me know how you would like to proceed.

Thanks,  
Sharyn

**From:** Duke, Rick [[mailto:](#) **Ex. 6 - Privacy**]  
**Sent:** Thursday, August 14, 2014 12:33 PM  
**To:** Dunham, Sarah; Lie, Sharyn; Barron, Alex  
**Cc:** Goffman, Joseph; Ulman, Christie; Hultman, Nathan; Fawcett, Allen; Zakaria, Rama; Wong, Jacqueline; LeFranc, Maurice  
**Subject:** RE: long-term carbon estimates

Some process updates:

- Christie is going to pull together a technical call with this group at 5pm on Monday
- We will hold our first interagency technical discussion on Wednesday 8/20, time TBC.

## Ex. 5 - Deliberative

Many thanks...

**From:** Duke, Rick

**Sent:** Monday, August 11, 2014 12:59 PM

**To:** Dunham, Sarah ([Dunham.Sarah@epa.gov](mailto:Dunham.Sarah@epa.gov)); 'Lie.Sharyn@epa.gov'

**Cc:** [goffman.joseph@epa.gov](mailto:goffman.joseph@epa.gov); Barron, Alex ([Barron.Alex@epa.gov](mailto:Barron.Alex@epa.gov)); Ulman, Christie; Hultman, Nathan; Fawcett, Allen ([Fawcett.Allen@epa.gov](mailto:Fawcett.Allen@epa.gov)); Zakaria, Rama

**Subject:** long-term carbon estimates

Sarah and Sharyn,

Some technical questions as we consider our long-term carbon pollution reduction goals.

Does EPA have an updated view on the emissions reduction potential originally estimated here <http://www.epa.gov/otaq/climate/kerry-analysis-02-18-2010.pdf> in response to a request from then Sen Kerry? More specifically:

## Ex. 5 - Deliberative

The most efficient way to tackle this might be to sit down in person but I'm also reachable at [Ex. 6 - Privacy](#)

Thanks,  
Rick

**To:** Hengst, Benjamin[Hengst.Benjamin@epa.gov]  
**Cc:** Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** LeFranc, Maurice  
**Sent:** Tue 8/12/2014 8:09:04 PM  
**Subject:** RE: Follow-up

Thanks.

-----Original Message-----

From: Hengst, Benjamin  
Sent: Tuesday, August 12, 2014 10:07 AM  
To: LeFranc, Maurice  
Cc: Goffman, Joseph  
Subject: RE: Follow-up

As it turns out, I was just made aware that Rick Duke sent a note to several folks yesterday on this topic (to Alex Barron, Sarah Dunham and Sharyn Lie, among others). I don't have the note, but just a heads up.

-----Original Message-----

From: LeFranc, Maurice  
Sent: Tuesday, August 12, 2014 9:35 AM  
To: Hengst, Benjamin  
Cc: Goffman, Joseph  
Subject: RE: Follow-up

Not surprising - it seemed CEQ was in a hurry to pull this together but then stopped asking. I'll let you know if I hear otherwise. Thanks.

-----Original Message-----

From: Hengst, Benjamin  
Sent: Monday, August 11, 2014 9:38 PM  
To: LeFranc, Maurice  
Cc: Goffman, Joseph  
Subject: FW: Follow-up

Maurice--for the record, I never heard anything further regarding this note. If there's more we need to do in OTAQ to respond, let me know.

Thanks  
Ben

---

From: Goffman, Joseph  
Sent: Wednesday, July 30, 2014 3:50 PM  
To: hengst.ben@epa.gov; Hengst, Benjamin  
Cc: Rick Duke; LeFranc, Maurice; McCabe, Janet  
Subject: Re: Follow-up

+ "benjamin".

---

From: Goffman, Joseph  
Sent: Wednesday, July 30, 2014 3:48:32 PM  
To: hengst.ben@epa.gov

Cc: Rick Duke; LeFranc, Maurice; McCabe, Janet  
Subject: Follow-up

Ben - Rick Duke and I just spoke. He is hoping to have chat with you about **Ex. 5 - Deliberative**  
**Ex. 5 - Deliberative**

I am on my way to a couple of weeks of leave, but can be reached at **Ex. 6 - Privacy** and via email if you need to talk.

Thanks.

**To:** McCabe, Janet[McCabe.Janet@epa.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** LeFranc, Maurice  
**Sent:** Wed 7/30/2014 6:30:11 PM  
**Subject:** post-2020 discussions - or "lack of discussions"

A few things to keep you informed – these have come out of discussions at unrelated meetings – some from CEQ and some from other WH people

# Ex. 5 - Deliberative

I'll continue to follow this and will keep you apprised of what I learn.

Maurice

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

**To:** Stern, Todd D (S/SECC)[SternTD@state.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]  
**Cc:** Sierawski, Clare S[SierawskiCS@state.gov]; Wagner, David V[WagnerDV2@state.gov]  
**From:** McCabe, Janet  
**Sent:** Thur 7/3/2014 2:08:58 AM  
**Subject:** RE: China question

The sentence is accurate. Whether it's a useful thing to say seems to me is more of a judgment call about

Ex. 5 - Deliberative

Ex. 5 - Deliberative

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**From:** Stern, Todd D (S/SECC) <SternTD@state.gov>  
**Sent:** Wednesday, July 2, 2014 9:55 PM  
**To:** McCabe, Janet; Goffman, Joseph  
**Cc:** Sierawski, Clare S; Wagner, David V  
**Subject:** RE: China question

Thanks Janet. Very helpful. Can I ask one more question? The longer draft I looked at (and attached to email I sent you guys) had the following interesting lines:

## Ex. 5 - Deliberative

Is that right and is that the kind of thing that would also be useful to say?

**From:** McCabe, Janet [mailto:McCabe.Janet@epa.gov]  
**Sent:** Wednesday, July 02, 2014 9:28 PM  
**To:** Stern, Todd D (S/SECC); Goffman, Joseph  
**Cc:** Sierawski, Clare S; Wagner, David V  
**Subject:** RE: China question

Hi, Todd....

here's some language that's a bit punchier that I think conveys the positive message



you're looking for. (I appreciate you being sensitive to not promising more than resources will reasonably allow us to deliver, and to keeping this message at a high enough level that stays away from that territory).

## Ex. 5 - Deliberative

--Janet

---

**From:** Stern, Todd D (S/SECC) <[SternTD@state.gov](mailto:SternTD@state.gov)>  
**Sent:** Wednesday, July 2, 2014 5:42 PM  
**To:** Goffman, Joseph; McCabe, Janet  
**Cc:** Sierawski, Clare S; Wagner, David V  
**Subject:** Re: China question

Great. Thanks.

**From:** Goffman, Joseph [<mailto:Goffman.Joseph@epa.gov>]  
**Sent:** Wednesday, July 02, 2014 05:27 PM  
**To:** Stern, Todd D (S/SECC); McCabe, Janet <[McCabe.Janet@epa.gov](mailto:McCabe.Janet@epa.gov)>  
**Cc:** Sierawski, Clare S; Wagner, David V  
**Subject:** Re: China question

Hi, Todd. We should have some language for you on this shortly.

Joe Goffman

**From:** Stern, Todd D (S/SECC)

**Sent:** Wednesday, July 2, 2014 11:31 AM

**To:** Goffman, Joseph; McCabe, Janet

**Cc:** Sierawski, Clare S; Wagner, David V

**Subject:** China question

Hi guys. Quick question. We're scrambling to get ready for the S&ED trip, leaving Sunday. As I think you know, we have a whole day mapped out with the Chinese on July 8, a day before the actual S&ED, to follow through on agreement Kerry reached with them in February to collaborate in the development of our post-2020 targets.

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

Thoughts?

**To:** Goffman, Joseph[Goffman.Joseph@epa.gov]; LeFranc, Maurice[LeFranc.Maurice@epa.gov]  
**From:** McCabe, Janet  
**Sent:** Tue 7/1/2014 3:39:27 AM  
**Subject:** RE: Next week's meeting between State/White House and NDRC/Chinese government on Climate and Air Quality

## Ex. 5 - Deliberative

I've made a few other suggestions below, in blue font....

---

**From:** Goffman, Joseph  
**Sent:** Monday, June 30, 2014 11:26 PM  
**To:** LeFranc, Maurice; McCabe, Janet  
**Subject:** Re: Next week's meeting between State/White House and NDRC/Chinese government on Climate and Air Quality

## Ex. 5 - Deliberative

Joe Goffman



Janet/Joe:

## Ex. 5 - Deliberative

# **Ex. 5 - Deliberative**

# **Ex. 5 - Deliberative**

Thanks for your feedback. State is looking for our response today or tomorrow.

Maurice

# **Ex. 5 - Deliberative**

# **Ex. 5 - Deliberative**

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

Office Phone: 202-564-1813

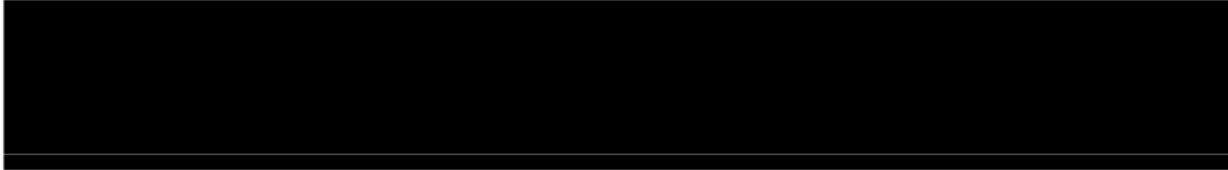
Mobile: 202-450-7863

**To:** Goffman, Joseph[Goffman.Joseph@epa.gov]; McCabe, Janet[McCabe.Janet@epa.gov];  
LeFranc, Maurice[LeFranc.Maurice@epa.gov]  
**From:** Dunham, Sarah  
**Sent:** Fri 6/20/2014 7:09:38 AM  
**Subject:** Re: follow up to post-2020 discussion

I think given the conversation yesterday we might

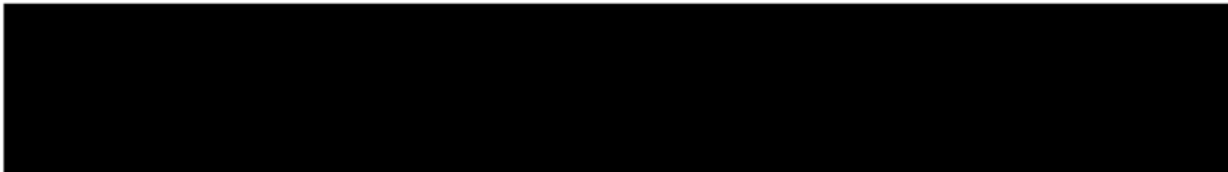
Ex. 5 - Deliberative

## Ex. 5 - Deliberative



I really think we don't.

Joe Goffman



Thanks you too--for attending and for summarizing. Do you know what the next steps are?

## Ex. 5 - Deliberative

---

**From:** Dunham, Sarah  
**Sent:** Thursday, June 19, 2014 9:01 PM  
**To:** LeFranc, Maurice; McCabe, Janet; Goffman, Joseph  
**Subject:** Re: follow up to post-2020 discussion

That was a good summary of this morning's meeting, with a fair amount of humility on Maurice's part-- Maurice did a very nice job in the meeting providing needed context around the land use emissions estimates.

The only thing to add, and maybe better to pass along more detail in person, was the

Ex. 5 - Deliberative



# Ex. 5 - Deliberative

Sarah and I attended the post-2020 discussion at the White House this morning. The meeting was led by Rick Duke and Dan Utech – John Podesta and Todd were at the meeting as well. The focus of the meeting was on two topics –

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative CEQ provide a power point to drive the discussion, however, as usual they took it back at the end of the meeting. Here is a brief summary – Sarah should fill in as needed.

# Ex. 5 - Deliberative

# **Ex. 5 - Deliberative**

Maurice

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

**To:** Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** LeFranc, Maurice  
**Sent:** Thur 6/19/2014 11:02:16 AM  
**Subject:** Re: Post-2020 meeting at WH tomorrow

Any "message" you feel we need to give at this interagency meeting or are we covered.

**Ex. 5 - Deliberative**

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

[REDACTED]

Just talked to Utech. Indeed they are. Not worth the fight.

**Ex. 5 - Deliberative**

**Ex. 5 - Deliberative**

Joe Goffman

[REDACTED]

I raised this **Ex. 5 - Deliberative** to Rick on the phone and he said it was worth some consideration - **Ex. 5 - Deliberative**

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.


[REDACTED]

Just replied to WH, copying Maurice and Sarah. Now that the proposal is out, we may

**Ex. 5 - Deliberative**

Joe Goffman

[REDACTED]



I believe Joe has received an invitation to a post-2020 discussion on international commitments that will be held at the WH at 9:45 tomorrow. Rick Duke called me a minute ago to tee up two of the issues they would like to discuss – and to ask who would be coming to the meeting tomorrow since it is at the same time as the hearing.

## **Ex. 5 - Deliberative**

We need to get back to CEQ/WH on who would attend the meeting tomorrow so we can get clearance information to them and if Joe isn't able to attend a sense of our position on the two issues above.

Thank you.

Maurice N. LeFranc, Jr.

Senior Advisor for International Climate Change

Office of Air and Radiation

U.S. Environmental Protection Agency

Office Phone: 202-564-1813

Mobile: 202-450-7863

**To:** Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** Duke, Rick  
**Sent:** Wed 6/18/2014 8:05:33 PM  
**Subject:** RE: Post-2020 Meeting

Please make sure you invite Maurice LeFranc. Sarah and Cynthia are also fine.

Also, Bryan Mignone from DOE, and Jonathan Pershing by phone if possible to add a dial in.

Please also add Nate Hultman and Christie Ulman to invite (no need to add to manifest).

thanks

**From:** Goffman, Joseph [mailto:Goffman.Joseph@epa.gov]  
**Sent:** Wednesday, June 18, 2014 4:02 PM  
**To:** Kawahata, Molly  
**Cc:** Utech, Dan G.; Browne, Cynthia; Duke, Rick  
**Subject:** Re: Post-2020 Meeting

+ Maurice, Rick, Sarah and Cynthia. Am assuming we are sending one or both as reps given the HEC hearing. Thanks.

Joe Goffman

**From:** [goffman.joseph@epa.gov](mailto:goffman.joseph@epa.gov)  
**Sent:** Wednesday, June 18, 2014 1:13 PM  
**To:** Ex. 6 - Privacy, Molly Kawahata  
**Cc:** Dan G. Utech  
**Subject:** Post-2020 Meeting

This conflicts with Janet's hearing, which I pretty much need to attend with her. Can we send somebody like Maurice LeFranc or Sarah Dunham? Thanks.

-----  
Organizer: Kawahata, Molly  
When: 8:45 AM - 9:45 AM June 19, 2014  
Subject: Post-2020 Meeting  
Location: EEOB TBD

Agenda

## **Ex. 5 - Deliberative**

Manifest  
EOP: Podesta, Utech, Duke, Zaidi, Patron, Bodnar  
State: Stern, Artusio  
DOE: Pershing  
EPA: Goffman  
USDA: Bonnie and/or Patrick



**To:** McCabe, Janet[McCabe.Janet@epa.gov]; Reynolds, Thomas[Reynolds.Thomas@epa.gov]  
**Cc:** Goffman, Joseph[Goffman.Joseph@epa.gov]  
**From:** Millett, John  
**Sent:** Tue 6/10/2014 8:50:00 PM  
**Subject:** RE: Request from CEQ for [REDACTED] **Ex. 5 - Deliberative**  
[REDACTED] **Ex. 5 - Deliberative**

I haven't seen (or started) any other traffic on this (besides a side conversation w/ OTAQ). But

## Ex. 5 - Deliberative

~~~~~  
John Millett

Director, OAR Communications

Desk: 202-564-2903

Cell: 202-510-1822

From: McCabe, Janet
Sent: Tuesday, June 10, 2014 3:36 PM
To: Millett, John; Reynolds, Thomas
Cc: Goffman, Joseph
Subject: FW: Request from CEQ for [REDACTED] **Ex. 5 - Deliberative**
[REDACTED] **Ex. 5 - Deliberative**

See the notes below—CEQ is asking for information to help compare [REDACTED] **Ex. 5 - Deliberative**

[REDACTED] **Ex. 5 - Deliberative**
[REDACTED] **Ex. 5 - Deliberative** I just wanted to see if you guys know anything more about where this story is going.

From: Grundler, Christopher

Sent: Tuesday, June 10, 2014 3:31 PM

To: McCabe, Janet

Subject: FW: Request from CEQ for [REDACTED]

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Janet—see below. CEQ has made this request. Are you ok with us providing this information, or do you wish to respond in a different way?

Chris

From: Charmley, William

Sent: Tuesday, June 10, 2014 2:01 PM

To: Grundler, Christopher

Cc: Hengst, Benjamin; Simon, Karl; Ghanta, Venu

Subject: Request from CEQ for [REDACTED]

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Chris –

As we discussed, below is the request from a Mr. Nathan Hultman at CEQ regarding [REDACTED]

Ex. 5 - Deliberative

You asked for this information so you can find out from Janet McCabe if we should be providing any response, or if perhaps Janet or someone else from the OAR Immediate Office would want to follow-up with CEQ.

Attached is the spreadsheet with the estimates CEQ is requesting.

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Thanks

Bill

From: Hultman, Nathan [mailto:] Ex. 6 - Privacy

Sent: Monday, June 09, 2014 11:17 AM

To: Charmley, William

Subject: FW: transportation sector

Dear Bill,

I don't think we've met. My name is Nate Hultman and I'm in CEQ. You will probably not be surprised to hear we have been working on the power plant rule rollout here, including fielding some questions about expected reductions.

I got your contact info from Sharyn Lie who said you had been fielding requests on

Ex. 5 - Deliberative

Ex. 5 - Deliberative

(see below)

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Nate

Nathan Hultman

Deputy Associate Director for Energy & Climate Change

White House Council on Environmental Quality

Ex. 6 - Privacy

From: Hultman, Nathan
Sent: Tuesday, June 03, 2014 3:35 PM
To: 'Fawcett, Allen'; Lie, Sharyn
Subject: RE: transportation sector

Allen, thanks for getting back to me even though you're out in WV; and for sending us the RIA tables of relevance a couple of days ago.

Sharyn: I do follow the numbers and calculations below and can reproduce. But I have some questions. If I am not mistaken,

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Is this correct? Is this something you can help me out with? I could give you a call, or you can reach me at

Ex. 6 - Privacy

Basically I would like to be able to

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Nate

From: Fawcett, Allen [<mailto:Fawcett.Allen@epa.gov>]
Sent: Tuesday, June 03, 2014 3:19 PM
To: Lie, Sharyn; Hultman, Nathan
Subject: Fw: transportation sector

Sharyn, here is the information we already shared with Nate.

Allen

From: Fawcett, Allen <Fawcett.Allen@epa.gov>
Sent: Monday, June 2, 2014 11:56 AM
To: Duke, Rick; Hultman, Nathan
Subject: Fw: transportation sector

Rick,

Sorry I'm just getting back to you, I'm out at the ag modeling forum in WV, and my cell coverage is very spotty. Here are the **Ex. 5 - Deliberative** (details below).

Ex. 5 - Deliberative

Allen

From: Cole, Jefferson <Cole.Jefferson@epa.gov>

Sent: Monday, June 2, 2014 11:11 AM

To: Fawcett, Allen

Subject: FW: transportation sector

From: Cole, Jefferson

Sent: Thursday, March 6, 2014 4:14 PM

To: Fawcett, Allen

Subject: transportation sector

Allen,

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Jeff

To: McCabe, Janet[McCabe.Janet@epa.gov]
Cc: Goffman, Joseph[Goffman.Joseph@epa.gov]
From: Ex. 6 - Privacy, Administrator McCarthy
Sent: Tue 5/27/2014 9:19:14 AM
Subject: Re: Clean Energy Blueprint -- PM to support 111(d) implementation

I wonder if we shouldn't just shoot for a simple message that Todd can use. It would acknowledge that

Ex. 5 - Deliberative

Not sure how we get a PM between today and end of the week unless it is Very simple.

Gina McCarthy

> On May 26, 2014, at 10:21 PM, "McCabe, Janet" <McCabe.Janet@epa.gov> wrote:

>

> That's what I was thinking.

>

>

>

> From: Goffman, Joseph

> Sent: Monday, May 26, 2014 10:08 PM

> To: McCabe, Janet; Ex. 6 - Privacy, Administrator McCarthy

> Subject: Re: Clean Energy Blueprint -- PM to support 111(d) implementation

>

> That paragraph, appropriately modified, could also work in the PM itself.

>

> Sent from my BlackBerry 10 smartphone.

> From: McCabe, Janet

> Sent: Monday, May 26, 2014 10:00 PM

> To: Goffman, Joseph; Ex. 6 - Privacy, Administrator McCarthy

> Subject: RE: Clean Energy Blueprint -- PM to support 111(d) implementation

>

>

> Here's a possible paragraph to add to the end to be more explicit about

Ex. 5 - Deliberative

Ex. 5 - Deliberative

>

> From: Goffman, Joseph

> Sent: Monday, May 26, 2014 8:09 PM

> To: Ex. 6 - Privacy, Administrator McCarthy; McCabe, Janet

> Subject: Fw: Clean Energy Blueprint -- PM to support 111(d) implementation

>

> Sent from my BlackBerry 10 smartphone.

> From: Joseph Goffman

> Sent: Monday, May 26, 2014 8:08 PM

> To: Goffman, Joseph

> Subject: Clean Energy Blueprint -- PM to support 111(d) implementation

>

>

> Per our brief discussion after the Podesta call.

>

>

Ex. 5 - Deliberative

To: McCabe, Janet[McCabe.Janet@epa.gov]
Cc: Goffman, Joseph[Goffman.Joseph@epa.gov]
From: Ex. 6 - Privacy, Administrator McCarthy
Sent: Tue 5/27/2014 9:02:23 AM
Subject: Re: Clean Energy Blueprint -- PM to support 111(d) implementation

Any suggestions on how to tee up? I would suggest that I raise this with John today. What do you think?

Gina McCarthy

> On May 26, 2014, at 10:21 PM, "McCabe, Janet" <McCabe.Janet@epa.gov> wrote:

>

> That's what I was thinking.

>

>

>

> From: Goffman, Joseph

> Sent: Monday, May 26, 2014 10:08 PM

> To: McCabe, Janet; Ex. 6 - Privacy, Administrator McCarthy

> Subject: Re: Clean Energy Blueprint -- PM to support 111(d) implementation

>

> That paragraph, appropriately modified, could also work in the PM itself.

>

> Sent from my BlackBerry 10 smartphone.

> From: McCabe, Janet

> Sent: Monday, May 26, 2014 10:00 PM

> To: Goffman, Joseph; Ex. 6 - Privacy, Administrator McCarthy

> Subject: RE: Clean Energy Blueprint -- PM to support 111(d) implementation

>

>

> Here's a possible paragraph to add to the end to be more explicit about Ex. 5 - Deliberative

Ex. 5 - Deliberative

> From: Goffman, Joseph

> Sent: Monday, May 26, 2014 8:09 PM

> To: Ex. 6 - Privacy, Administrator McCarthy; McCabe, Janet

> Subject: Fw: Clean Energy Blueprint -- PM to support 111(d) implementation

>

> Sent from my BlackBerry 10 smartphone.

> From: Joseph Goffman

> Sent: Monday, May 26, 2014 8:08 PM

> To: Goffman, Joseph

> Subject: Clean Energy Blueprint -- PM to support 111(d) implementation

>

>

> Per our brief discussion after the Podesta call.

>

>

Ex. 5 - Deliberative

To: Goffman, Joseph[Goffman.Joseph@epa.gov]; Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Gunning, Paul
Sent: Fri 5/23/2014 5:16:14 PM
Subject: RE: DOE Numbers

Our best guess is that they would want:

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Paul

From: Goffman, Joseph
Sent: Friday, May 23, 2014 1:02 PM
To: Fawcett, Allen; Gunning, Paul
Subject: RE: DOE Numbers

Thank you very much, Allen. Any idea why they want to talk to me/us at 1:30?

From: Fawcett, Allen
Sent: Friday, May 23, 2014 12:58 PM
To: Goffman, Joseph; Gunning, Paul
Subject: RE: DOE Numbers

Joe and Paul,

I talked to Judi and Elke this morning, and we went over Elke's revised estimates. As we've noted in the earlier drafts,

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative

In addition to the two versions of the one-pagers, I've also attached an updated version of the slides we put together last week, so you can see how the full data tables compare. Let me know if you have any questions.

Allen

From: Goffman, Joseph
Sent: Friday, May 23, 2014 8:50 AM
To: Gunning, Paul
Cc: Fawcett, Allen
Subject: Re: DOE Numbers

Thanks.

Sent from my BlackBerry 10 smartphone.

From: Gunning, Paul

Sent: Friday, May 23, 2014 8:38 AM

To: Goffman, Joseph

Cc: Fawcett, Allen

Subject: RE: DOE Numbers

No need. I don't know!

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Goffman, Joseph

Sent: Friday, May 23, 2014 7:56 AM

To: Gunning, Paul

Subject: DOE Numbers

If for some reason you thought it useful to talk, you can call Ex. 6 - Privacy until 8:45. Or we can catch up after your all's next call with DOE. Thanks.

Sent from my BlackBerry 10 smartphone.

To: Pershing, Jonathan[Jonathan.Pershing@Hq.Doe.Gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]
Cc: Fawcett, Allen[Fawcett.Allen@epa.gov]
From: Gunning, Paul
Sent: Thur 5/22/2014 12:17:55 PM
Subject: RE: Favor

Yes, we will reach out to Judi and Bryan today. We worked closely with Bryan on the modeling for the BR

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Paul

From: Pershing, Jonathan [mailto:Jonathan.Pershing@Hq.Doe.Gov]
Sent: Wednesday, May 21, 2014 9:49 PM
To: Goffman, Joseph
Cc: Gunning, Paul
Subject: RE: Favor

Thanks Joe. Folks I would propose to connect from our side are Judi Greenwald and Bryan Mignone. Paul knows them both. I too look forward to staying engaged.

Jonathan

From: Goffman, Joseph [mailto:Goffman.Joseph@epa.gov]
Sent: Wednesday, May 21, 2014 9:19 PM
To: Pershing, Jonathan
Cc: Gunning, Paul
Subject: RE: Favor

Hi, Jonathan – Thanks very much for the quick feedback on these documents. Adding Paul so that he can connect with your colleagues – you mentioned Judi and Bryan – to confirm the

Ex. 5 - Deliberative

Many thanks, again.

From: Pershing, Jonathan [<mailto:Jonathan.Pershing@Hq.Doc.Gov>]
Sent: Wednesday, May 21, 2014 8:50 PM
To: Goffman, Joseph
Subject: RE: Favor

Are you still available? time for a quick call?

From: Goffman, Joseph [<mailto:Goffman.Joseph@epa.gov>]
Sent: Wednesday, May 21, 2014 10:35 AM
To: Pershing, Jonathan
Subject: Favor

Per the Administrator's request, could you please take a look at the attached and let me know what your take is? One focuses on the 2020 target alone; the on 2020 and post 2020. Thanks.

To: Goffman, Joseph[Goffman.Joseph@epa.gov]
From: LeFranc, Maurice
Sent: Wed 5/21/2014 9:10:40 PM
Subject: RE: Carbon Pollution Standards under 111(d) -- 2020 Target/post-2020 Commitments
[Carbon Pollution Standards - 2020 and 2030 5-21-2014 Version 4 edit.docx](#)
[CPS - 17 x 2020 one pager 5 20 14 version 3 edit.docx](#)

Here are the two files – only a couple of edits marked in each.

From: Goffman, Joseph
Sent: Wednesday, May 21, 2014 4:35 PM
To: LeFranc, Maurice; Gunning, Paul
Subject: FW: Carbon Pollution Standards under 111(d) -- 2020 Target/post-2020 Commitments

From: Goffman, Joseph
Sent: Wednesday, May 21, 2014 10:29 AM
To: Ex. 6 - Privacy, John Podesta 'Utech, Dan G.'
Cc: Ex. 6 - Privacy, Administrator McCarthy; McCabe, Janet; Ex. 6 - Privacy, Deputy Administrator Perciasepe
Subject: Carbon Pollution Standards under 111(d) -- 2020 Target/post-2020 Commitments

Hi, John and Dan – As we approach June 2 and prepare for communications to various domestic and international audiences, we have put together a couple of pieces that address the impact of the proposed Carbon Pollution Standard's CO2 reductions on the US 2020 target and on positioning with respect to post-2020 commitments. The Administrator suggested that we share the current drafts with both of you to think about and provide reaction. One piece focuses on the 2020 target only; the other encompasses both 2020 and post-2020.

Many thanks.

To: Goffman, Joseph[Goffman.Joseph@epa.gov]; Gunning, Paul[Gunning.Paul@epa.gov]
From: LeFranc, Maurice
Sent: Wed 5/21/2014 9:01:00 PM
Subject: RE: Carbon Pollution Standards under 111(d) -- 2020 Target/post-2020 Commitments

Very well done. Hard to argue against this logical presentation. This will be helpful when discussion come up in Bonn in early June.

From: Goffman, Joseph
Sent: Wednesday, May 21, 2014 4:35 PM
To: LeFranc, Maurice; Gunning, Paul
Subject: FW: Carbon Pollution Standards under 111(d) -- 2020 Target/post-2020 Commitments

From: Goffman, Joseph
Sent: Wednesday, May 21, 2014 10:29 AM
To: **Ex. 6 - Privacy, John Podesta** 'Utech, Dan G.'
Cc: **Ex. 6 - Privacy, Administrator McCarthy**; McCabe, Janet; **Ex. 6 - Privacy, Deputy Administrator Perclasepe**
Subject: Carbon Pollution Standards under 111(d) -- 2020 Target/post-2020 Commitments

Hi, John and Dan – As we approach June 2 and prepare for communications to various domestic and international audiences, we have put together a couple of pieces that address the impact of the proposed Carbon Pollution Standard's CO2 reductions on the US 2020 target and on positioning with respect to post-2020 commitments. The Administrator suggested that we share the current drafts with both of you to think about and provide reaction. One piece focuses on the 2020 target only; the other encompasses both 2020 and post-2020.

Many thanks.

To: Goffman, Joseph[Goffman.Joseph@epa.gov]
From: LeFranc, Maurice
Sent: Wed 5/21/2014 8:32:48 PM
Subject: RE: Post 2020 Analytic Meetings

Joe:

No rush on this. Did you ever discuss this with Janet?

Ex. 5 - Deliberative

I think it makes sense (perhaps once the first dust settles on 111(d) to ask Allen's team to come over for a briefing. You and Janet should know as much about what they are doing as does Rick Duke and Jonathan.

On staffing out the actual analytic meeting (which at times turns into the policy meeting) would be less of an issue if you and Janet were more aware of what the OAR team (and DOE) were doing based on information provided to you in advance of the meetings.

I can help put this in place starting next week if you would like.

Maurice

-----Original Message-----

From: Goffman, Joseph
Sent: Thursday, May 15, 2014 10:36 AM
To: McCabe, Janet; LeFranc, Maurice
Subject: Post 2020 Analytic Meetings

Let's visit at some point on how we want to staff these going forward. Thanks.

To: Goffman, Joseph[Goffman.Joseph@epa.gov]
Cc: Culligan, Kevin[Culligan.Kevin@epa.gov]
From: Knapp, Kristien
Sent: Mon 5/19/2014 5:32:25 PM
Subject: RE: Moniz briefing
EGU GHG Moniz Briefing May 19 2014 final 1pm.pptx

This is the edited file with re-ordering.

From: Goffman, Joseph
Sent: Monday, May 19, 2014 1:08 PM
To: Knapp, Kristien
Subject: FW: Moniz briefing

From: Culligan, Kevin
Sent: Monday, May 19, 2014 12:39 PM
To: Goffman, Joseph
Subject: Moniz briefing

May want to delete slides 3 and 6 for time, but thought they would be graphics of interest to the secretary.

To: LeFranc, Maurice[LeFranc.Maurice@epa.gov]; Goffman, Joseph[Goffman.Joseph@epa.gov]
Cc: Kasman, Mark[Kasman.Mark@epa.gov]; Niebling, William[Niebling.William@epa.gov]
From: McCabe, Janet
Sent: Fri 5/16/2014 3:47:39 AM
Subject: RE: S&ED Joint Session Proposal

This seems ok to me. The narrative seems to say that the meeting will be an opportunity to share info re what each country is doing to consider its post 2020 targets, but the agenda doesn't seem to cover that.....

From: LeFranc, Maurice
Sent: Tuesday, May 13, 2014 9:46 AM
To: McCabe, Janet; Goffman, Joseph
Cc: Kasman, Mark; Niebling, William
Subject: FW: S&ED Joint Session Proposal

See attached statement for the proposed climate change session at the S&ED. State ENR (Carols Pascual's group) proposed **Ex. 5 - Deliberative** I think this looks fine and we can get either our, or WH, points into the mix for Sec. Moniz's use.

Please let me know if you have concerns or changes.

From: Sierawski, Clare S [mailto:SierawskiCS@state.gov]
Sent: Tuesday, May 13, 2014 9:09 AM
To: LeFranc, Maurice
Subject: RE: S&ED Joint Session Proposal

Hi Maurice! Attached is the version I'm going to try and get Todd to clear on today. It takes a lot of their

Ex. 5 - Deliberative

Please let me know if you have any major heartburn with this version.

Thank you Maurice!

From: LeFranc, Maurice [mailto:LeFranc.Maurice@epa.gov]
Sent: Tuesday, May 13, 2014 8:58 AM
To: Sierawski, Clare S
Subject: FW: S&ED Joint Session Proposal

Clare:

Let me know when there is a version to review.

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Thanks.
Maurice

From: Gunderson, Victoria L [mailto:GundersonVL@state.gov]

Sent: Monday, May 12, 2014 2:36 PM

To: Sierawski, Clare S; Ashley, Chuck; 'Maria.DiGiulian@Hq.Doe.Gov'; Dolan, Bridget M; White, Jennifer Hendrixson; **Ex. 6 - Privacy, Paul Bodnar** LeFranc, Maurice

Cc: Behrhorst, Sally P

Subject: RE: S&ED Joint Session Proposal

Here are a few EAP/CM edits on top of the DOE/ENR ones. The background probably still needs some tightening up.

Look forward to seeing how this shapes up!

Vickie

SBU

This email is UNCLASSIFIED.

From: Sierawski, Clare S

Sent: Friday, May 09, 2014 6:50 PM

To: Ashley, Chuck; 'Maria.DiGiulian@Hq.Doe.Gov'; Dolan, Bridget M; White, Jennifer Hendrixson;

Ex. 6 - Privacy, Paul Bodnar 'LeFranc.Maurice@epa.gov'

Cc: Behrhorst, Sally P; Gunderson, Victoria L

Subject: Re: S&ED Joint Session Proposal

Hi Chuck! I just got back from Mexico City, so I haven't looked at this closely yet, but a lot of these changes look good. A few quick thoughts - I really like a lot of the additional framing - very helpful;

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Again, a lot of the other suggestions look good. I'll send around a new version Monday for Jenn to share with Treasury.

Thank you for your thoughtful comments - I do really appreciate it.

Have a good weekend,
Clare

From: Ashley, Chuck

Sent: Friday, May 09, 2014 03:17 PM

To: Sierawski, Clare S; 'Maria.DiGiulian@Hq.Doe.Gov'

<Maria.DiGiulian@Hq.Doe.Gov<mailto: Maria.DiGiulian@Hq.Doe.Gov>>; Dolan, Bridget M; White, Jennifer Hendrixson; **Ex. 6 - Privacy, Paul Bodnar**

Ex. 6 - Privacy, Paul Bodnar

'LeFranc.Maurice@epa.gov'

<LeFranc.Maurice@epa.gov<mailto: LeFranc.Maurice@epa.gov>>

Cc: Behrhorst, Sally P; Gunderson, Victoria L

Subject: RE: S&ED Joint Session Proposal

All,

At our meeting a week ago, we came to an understanding that the joint session would be structured in

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Thank you

Chuck Ashley
Senior Asia Energy Officer
Bureau of Energy Resources
U.S. Department of State
Tel: 202-647-2124
BB: 202-320-0950

nas

This email is UNCLASSIFIED.

From: Sierawski, Clare S
Sent: Wednesday, May 07, 2014 3:35 PM
To: 'Maria.DiGiulian@Hq.Doe.Gov'; Ashley, Chuck; Dolan, Bridget M; White, Jennifer Hendrixson;
Ex. 6 - Privacy, Paul Bodnar 'LeFranc.Maurice@epa.gov'
Subject: Re: S&ED Joint Session Proposal

Per the conversation when we met **Ex. 5 - Deliberative**
Ex. 5 - Deliberative This is the approach I outlined in the mtg
and we discussed. Please articulate specifically what in your mind is not reflected; I look forward to your
comments.

From: DiGiulian, Maria [mailto:Maria.DiGiulian@Hq.Doe.Gov]
Sent: Wednesday, May 07, 2014 03:25 PM
To: Ashley, Chuck; Sierawski, Clare S; Dolan, Bridget M; White, Jennifer Hendrixson; Bodnar, Paul
Ex. 6 - Privacy > Maurice LeFranc
(LeFranc.Maurice@epa.gov<mailto:LeFranc.Maurice@epa.gov>)
<LeFranc.Maurice@epa.gov<mailto:LeFranc.Maurice@epa.gov>>
Subject: RE: S&ED Joint Session Proposal

Agreed. We will work with ENR on constructive changes.

From: Ashley, Chuck [mailto:AshleyCH@state.gov]
Sent: Wednesday, May 07, 2014 2:41 PM
To: Sierawski, Clare S; Dolan, Bridget M; White, Jennifer Hendrixson; DiGiulian, Maria; Bodnar, Paul;
Maurice LeFranc (LeFranc.Maurice@epa.gov<mailto:LeFranc.Maurice@epa.gov>)
Subject: RE: S&ED Joint Session Proposal

Clare,

ENR cannot clear on this version. We'll come back to you with more substantive comments soon, but the
main point I can share now is that this doesn't reflect the discussion we had last week.

Chuck

This email is UNCLASSIFIED.

From: Sierawski, Clare S
Sent: Wednesday, May 07, 2014 2:01 PM
To: Dolan, Bridget M; White, Jennifer Hendrixson; Maria DiGiulian
(Maria.DiGiulian@Hq.Doe.Gov<mailto:Maria.DiGiulian@Hq.Doe.Gov>); Ashley, Chuck; Bodnar, Paul;
Maurice LeFranc (LeFranc.Maurice@epa.gov<mailto:LeFranc.Maurice@epa.gov>)
Subject: S&ED Joint Session Proposal

Hello EAP, Maria, Chuck, Paul, and Maurice,

After the back and forth we've had and talking with Todd, attached is a proposed redraft of a joint session proposal to share with the Chinese. Please send your clearance/comments etc. to Bridget Dolan and me by COB tomorrow if at all possible.

Thank you!
Clare

Clare Sierawski
Senior Climate Change Adviser
U.S. Department of State
202-647-9816

To: Goffman, Joseph[Goffman.Joseph@epa.gov]
From: Knapp, Kristien
Sent: Thur 5/15/2014 11:14:36 PM
Subject: post 2020 and 111(d)
Post-2020 and 111(d) - 05-15-14 jg kk.pptx
Post-2020 and 111(d) - 05-15-14 - Appendix.pptx

Joe – This is the ppt and appendix ppt from today, in case you need later.

Kristien Knapp

Special Assistant to the Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency

Office: (202) 564-3277

Cell: (202) 379-8531

To: Goffman, Joseph[Goffman.Joseph@epa.gov]; LeFranc, Maurice[LeFranc.Maurice@epa.gov]
Cc: Gunning, Paul[Gunning.Paul@epa.gov]; Harvey, Reid[Harvey.Reid@epa.gov]; Tsirigotis, Peter[Tsirigotis.Peter@epa.gov]
From: Fawcett, Allen
Sent: Thur 5/15/2014 4:43:08 PM
Subject: RE: post-2020 and 111(d) slides for tomorrow - REQUEST.

Just talked to Maurice, here is the two bullet version. Let me know if there are still questions.

Ex. 5 - Deliberative

From: Goffman, Joseph
Sent: Thursday, May 15, 2014 12:28 PM
To: Fawcett, Allen; LeFranc, Maurice
Cc: Gunning, Paul; Harvey, Reid; Tsirigotis, Peter
Subject: Rc: post-2020 and 111(d) slides for tomorrow - REQUEST.

So can we say
Ex. 5 - Deliberative?

Ex. 5 - Deliberative

From: Fawcett, Allen
Sent: Thursday, May 15, 2014 12:22:48 PM
To: LeFranc, Maurice; Goffman, Joseph
Cc: Gunning, Paul; Harvey, Reid; Tsirigotis, Peter
Subject: RE: post-2020 and 111(d) slides for tomorrow - REQUEST.

Maurice,

Your math is right on

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Allen

Ex. 5 - Deliberative

From: LeFranc, Maurice
Sent: Thursday, May 15, 2014 12:12 PM
To: Fawcett, Allen; Goffman, Joseph
Cc: Gunning, Paul; Harvey, Reid; Tsirigotis, Peter
Subject: RE: post-2020 and 111(d) slides for tomorrow - REQUEST.

So to say this in Todd terms,

Ex. 5 - Deliberative

Ex. 5 - Deliberative

From: Fawcett, Allen
Sent: Thursday, May 15, 2014 12:08 PM
To: Goffman, Joseph
Cc: Gunning, Paul; Harvey, Reid; Tsirigotis, Peter; LeFranc, Maurice
Subject: RE: post-2020 and 111(d) slides for tomorrow - REQUEST.

Joe, how is this:

Ex. 5 - Deliberative

From: Goffman, Joseph
Sent: Thursday, May 15, 2014 11:56 AM
To: Fawcett, Allen
Cc: Gunning, Paul; Harvey, Reid; Tsirigotis, Peter; LeFranc, Maurice
Subject: Re: post-2020 and 111(d) slides for tomorrow - REQUEST.

Thanks, All for doing this. One more ask: can you ship me a bullet or sub-bullet that would appropriately state

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Thanks.

From: Fawcett, Allen

Sent: Wednesday, May 14, 2014 7:02:56 PM

To: Goffman, Joseph

Cc: Gunning, Paul; Harvey, Reid; Tsirigotis, Peter; LeFranc, Maurice

Subject: post-2020 and 111(d) slides for tomorrow

Joe,

Here are the revised slides for tomorrow based on our meeting. There are two files attached, the first is the three main slides, and the second is the appendix with the tables and figures from the earlier draft. The only change in the appendix from the tables you saw before is the addition of

Ex. 5 - Deliberative

Let me know if you have any questions.

Allen

Allen A. Fawcett, Ph.D.

Climate Economics Branch

Climate Change Division

U.S. Environmental Protection Agency

Office: (202) 343-9436

Cell: (b)(6) personal privacy

To: Goffman, Joseph[Goffman.Joseph@epa.gov]; McCabe, Janet[McCabe.Janet@epa.gov]
From: LeFranc, Maurice
Sent: Thur 5/15/2014 2:45:44 PM
Subject: Re: Post 2020 Analytic Meetings

Agree - it seems that the analysis work is being done without a lot of awareness of management - and the analytic discussions wander into policy discussions. Lots of dynamics going on here that can affect the US commitment as well.

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

Original Message
From: Goffman, Joseph
Sent: Thursday, May 15, 2014 10:35 AM
To: McCabe, Janet; LeFranc, Maurice
Subject: Post 2020 Analytic Meetings

Let's visit at some point on how we want to staff these going forward. Thanks.

To: Browne, Cynthia[Browne.Cynthia@epa.gov]
Cc: Goffman, Joseph[Goffman.Joseph@epa.gov]
From: Ulman, Christie
Sent: Thur 5/15/2014 2:15:22 PM
Subject: RE: Post 2020 International Analytics

Clearing now. Here is dial-in until you get in: **Ex. 6 - Privacy** Code: **Ex. 6 - Privacy**

FYI - this is **Ex. 5 - Deliberative**

-----Original Message-----

From: Browne, Cynthia [Browne.Cynthia@epa.gov]
Sent: Thursday, May 15, 2014 10:11 AM Eastern Standard Time
To: Ulman, Christie
Cc: Goffman, Joseph
Subject: FW: Post 2020 International Analytics

Hi Christie, I sent you the below WAVES for today's 10:00 am meeting on Tuesday – Joe is waiting at 17th ST.

Thanks, Cynthia

From: Browne, Cynthia
Sent: Tuesday, May 13, 2014 4:47 PM
To: 'Ulman, Christie'
Subject: RE: Post 2020 International Analytics

Hi Christie,

Maurice asked that I send the attached WAVES for the three OAR attendees:

Joseph Goffman
Maurice LeFranc, Jr.
Paul Gunning

Thank you, Cynthia Browne

-----Original Appointment-----

From: Ulman, Christie [mailto:] **Ex. 6 - Privacy**
Sent: Tuesday, May 13, 2014 2:57 PM
To: Knapp, Kristien; Browne, Cynthia; Atkinson, Emily
Subject: Post 2020 International Analytics
When: Thursday, May 15, 2014 10:00 AM-11:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: EEOB - TBD

Updated to 10am as of May 13th.

Proposed agenda:

Ex. 5 - Deliberative

Ex. 5 - Deliberative

To: Goffman, Joseph[Goffman.Joseph@epa.gov]
Cc: Gunning, Paul[Gunning.Paul@epa.gov]; Harvey, Reid[Harvey.Reid@epa.gov]
From: Fawcett, Allen
Sent: Wed 5/14/2014 4:18:51 PM
Subject: Briefing on Post 2020 ppt
Post-2020 and 111(d) - Podesta Pre-Brief - 05-14-14.pptx

Joc,

Here are the slides for our meeting at 4 to discuss

Ex. 5 - Deliberative

Ex. 5 - Deliberative

Allen